Semi-annual Operation and Maintenance Report No. 26 (November 2014-April 2015)

Wisconsin Chrome

Kaukauna, Wisconsin

June 8, 2015

Terracon Project No. 58127047

WDNR BRRTS No. 02-45-000225

Prepared for:

Wisconsin Department of Natural Resources
Oshkosh, Wisconsin

Prepared by:

Terracon Consultants, Inc.
Franklin, Wisconsin

June 8, 2015

Wisconsin Department of Natural Resources
Remediation and Redevelopment Program
625 East County Road Y, Suite 700
Oshkosh, Wisconsin 54901-9731

Attention: Ms. Jennifer Borski

Re: Semiannual Operation and Maintenance Report No. 26
Wisconsin Chrome
Kaukauna, Wisconsin
WDNR BRRTS No. 02-45-000225
Terracon Project No. 58127047

Dear Ms. Borski:

Terracon Consultants, Inc. (Terracon) has prepared this Semiannual Operation and Maintenance Report to summarize the activities that took place at the above-referenced site from November 1, 2014, through April 30, 2015. The report documents and includes a summary of groundwater sampling results, treatment system performance, and operations & maintenance activities.

Sincerely,
Terracon

For
Scott A. Hodgson, P.G
Senior Project Manager

Blaine R. Schroyer, P.E.
Principal/Office Manager

SAH/BRS/DGW:sah/N:\Projects\2012\5812\047\Working Files\DRAFTS (Proposal-Reports-Communications)\Semi-Annual O_M Reports\Spring 2015\Spring 2015 OM Report 26.docx

Copies to: Paul Farrell, Outagamie County Facilities Manager
File

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APPENDICES

1.0 INTRODUCTION

This Semiannual Operation and Maintenance Report was prepared by Terracon Consultants, Inc. (Terracon) for the Wisconsin Chrome Site for the reporting period November 1, 2014 through April 30, 2015 and includes the following information:

- Background information.
- Summary of April 2015 groundwater sampling results.
- Cross-sectional view of the contaminant plume.
- Time versus concentration graphs for selected wells and parameters.
- Graphs of influent and effluent flow and chromium concentrations.

1.1 Background Information

The Wisconsin Chrome Site (Figure 1, Appendix A) is a former chromium electroplating facility that was operated by the Wisconsin Chromium Corporation (WCC). Site investigation activities identified chromium and volatile organic compound (VOC) contamination at the facility. A groundwater extraction and treatment system, including collection trenches (A and B), angle injection wells, and an aboveground treatment facility, was constructed in 2001. VOCs from Trench A are treated by carbon, and chromium from Trenches A and B is treated by ion exchange. GeoTrans, Inc., installed the treatment system in accordance with the Remediation Plan approved by the Wisconsin Department of Natural Resources (WDNR).

In August 2001, GeoTrans injected 330 gallons of 10 percent ferric chloride into the four angle wells that extend below the former WCC building. The injection was completed in order to stabilize the hexavalent chromium contamination in the underlying groundwater. An evaluation of the injection was summarized in the June 14, 2004, GeoTrans report, *Supplemental Site Investigation Evaluation of Ferric Chloride Injection at the Former Wisconsin Chromium Corporation Site at 2101 Hyland Avenue, Kaukauna, Outagamie County, Wisconsin* .

In October 2006, Foth Infrastructure & Environment, LLC (Foth), injected 300 gallons of 11.8 percent sodium bisulfite solution into the angle wells under a separate approval from the WDNR. Injection activities were reported to the WDNR in the June 2007 Foth report, *Groundwater Injection Documentation and Monitoring* . The report concluded that due to the poor hydraulic connection between the injection points and the groundwater monitoring wells, there was no measurable response in groundwater quality from the groundwater injection, but that continued monitoring may show impacts in the future.

In December 2007, Foth was authorized by the WDNR to complete a bench scale treatability test and a pilot scale reductant injection test near monitoring well MW-7R. The pilot injection work was

completed by Foth in April 2009. Foth prepared an update of the additional work in their May 14, 2009, First Quarter 2009 Operations & Maintenance Report No. 14.

In February 2009, Foth installed one injection well adjacent to monitoring well nest MW-7. A full-scale injection of a reductant was planned for 2011 via an injection network directly beneath the building and throughout the site. However, injection was put on hold until funding became available. In 2013, Foth was contracted by WDNR to complete the full-scale injection. The full-scale injection was completed in summer 2014. Prior to injection, additional monitoring wells and injection wells were constructed as part of the injection program to provide the necessary distribution and monitoring network.

On May 1, 2012, Terracon was contracted by the WDNR to perform the operations and maintenance (O&M) activities at the site.

2.0 GROUNDWATER SAMPLING

2.1 Groundwater Sampling Procedures

Site features for the Wisconsin Chrome site are shown on Figure 1, Appendix A. Groundwater monitoring at the facility is performed in accordance with the current monitoring schedule (Table 4 of the WDNR's Request for Bid/Scope of Work dated April 13, 2012) with minor additions requested via email. The monitoring is completed semiannually, typically in March (weather dependent) and September.

Groundwater sampling procedures are as follows:

- Open all monitoring wells to be measured per the monitoring schedule, allow to equilibrate, and measure depth to water from the top of the well casing.
- Purge via low-flow techniques with a dedicated QED bladder pump, if present, pump controller, and water quality meter with flow-through cell until parameters are stable to within 10% for three consecutive readings taken at least two minutes apart.
- Document purge volume and field testing data. Groundwater sampling field sheets are included in Appendix C.
- Containerize purge water and discharge to treatment system.
- Collect groundwater and quality control samples per the monitoring schedule by use of a dedicated QED bladder pump, if present, or via disposable bailer.
- Transport groundwater samples to laboratory for analysis.

Field parameter measurements include temperature, pH, specific conductance, dissolved oxygen (DO), and oxidation-reduction potential (ORP). Field measurements are made prior to sample

collection, and laboratory samples for VOCs are collected prior to filtered metals samples. Laboratory samples are properly containerized, preserved, and transported to Pace Analytical Laboratory (Green Bay, Wisconsin) under chain-of-custody.

During the April 2015 sampling event, monitoring well MW-7B was found to be damaged. The well apparently had heaved pushing the flushmount lid up and then a vehicle ran over the well. As a result the bladder cap was damaged such that both the airline and waterline leaked so that the bladder could not be used to sample. Because the water level was too deep, a peristaltic pump could not be used to sample either. Consequently, the bladder was removed from the well and the well was carefully purged and sampled using a disposable bailer.

A summary of groundwater levels is provided in Table 1, Appendix B. A groundwater table contour map for the most recent sampling event is included as Figure 2, Appendix A .

3.0 GROUNDWATER SAMPLING RESULTS

3.1 Groundwater Sampling Results History

Historical groundwater monitoring results are included in Table 2, Appendix B. Please see the notes in Table 2 regarding sampling methods and parameters that have changed over time.

3.2 April 2015 Groundwater Sampling Results

Groundwater sampling was completed on April 15-16, 2015. Groundwater sampling results are summarized in Table 2, and laboratory analytical reports and groundwater sampling information sheets are included in Appendix C. Following is a discussion of the April 2015 groundwater results by parameter.

3.2.1 Total Chromium

Total chromium concentrations exceed its Wisconsin Administrative Code, Chapter NR 140 enforcement standard (ES) (100 micrograms per liter [µg/L]) at the following wells:

- MW-2 (1,740 µg/L).
- MW-6R (441 µg/L).
- MW-7R (6,780 µg/L).

Time versus total chromium concentrations for wells MW-7R and P-7B, which are in the vicinity of the pilot injection test, are provided as Figures 3 and 4, respectively, Appendix A.

A plan view of total chromium concentrations and the extent of ES exceedances for April 2015 is provided as Figure 5, Appendix A.

3.2.2 Volatile Organic Compounds

Selected wells were sampled for VOCs in conformance with the monitoring schedule. Individual VOC concentrations exceeded ESs at the following monitoring wells:

- MW-6R (8.5 µg/L 1,1-dichloroethene).
- MW-7R 267 µg/L 1,1-dichloroethene; 1,280 µg/L 1,1,1-trichloroethane; and 10.0 µg/L trichloroethene).
- P-7A (82.2 µg/L 1,1-dichloroethene).
- P-7B (9,080 µg/L 1,1-dichloroethane; 736 µg/L 1,1-dichloroethene; and 18,800 µg/L 1,1,1-trichloroethane).

A plan view showing total VOC concentrations and the estimated extent of total VOC concentrations exceeding 100 µg/L for April 2015 is provided as Figure 6, Appendix A.

3.3 Cross-Section

Figure 7, Appendix A shows the vertical distribution of total chromium and total VOCs in groundwater. The vertical extent of the VOC plume is interpolated based on the most recent results from piezometer P-7C (September 2013). The estimated lateral extent of total chromium and total VOCs above 100 µg/L is also shown on the cross-section.

4.0 TREATMENT SYSTEM PERFORMANCE AND OPERATION & MAINTENANCE ACTIVITIES

4.1 Treatment System Performance

A total of approximately 103,911 gallons (as interpolated from collected data based on the total effluent readings) of groundwater was treated and discharged to the sanitary sewer system from November 1, 2014, through April 30, 2015. Flow meter readings are provided in Table 3, Appendix B. Sump A and B influent sample and effluent sample results are summarized in Table 2. An updated O&M form 4400-194 is included in Appendix D, which provides a summary of the system performance during the reporting period.

From the period of November 1, 2014 through April 30, 2015, a total of 0.30 pounds of chromium and 0.75 pounds of VOCs were removed from groundwater. The mass removal summary is shown in Table 4, Appendix B.

Quarterly VOC samples collected between the carbon canisters indicate increasing total VOC concentrations as well as several individual compounds such that 1,2-dichloroethene, 1,1,1-dichloroethene, and vinyl chloride have been detected above their respective ES in the last three quarterly sampling events (see Table 2).

4.2 Operation & Maintenance Activities

Site visits to perform routine O&M activities and collect monthly/quarterly system monitoring samples typically occurred on the first or second Thursday of the month throughout the reporting period.

Annual and semi-annual routine maintenance visits/activities included the following:

- Ion-exchange canisters were switched out on November 14, 2014. Numerous trips were made to the site for high-low effluent pH alarms to try to balance the system after exchanging the canisters. Sodium hydroxide injection had to be performed until the canisters had been sufficiently flushed after which the caustic pump was again shut off.
- The annual fire extinguisher inspection/service was performed by Ahern on March 24, 2015.

Other non-routine system maintenance visits/activities during this reporting period included the following:

- Since the pumps had not pumped in the auto mode for several weeks, after the snow melt allowed access, the Sump A and B manholes were accessed to inspect the pumps on March 11, 2015. The static water level in both sumps was below the high switch and, therefore, the pumps would not turn on in auto mode. The water level in Sump B was only at the base of the pump. The Sump B pump was turned on and it did operate, but did not discharge in the shed. As such, it appeared that the underground discharge line between the sump and the shed was frozen.
- On April 16, 2015, Terracon pulled the Sump B pump and inspected it for problems. The pump was in good shape and was operable, but the underground discharge line was still frozen. By April 22, 2015, the ice plug had melted and the Sump B pump was discharging to the shed.
- Monitoring well construction, abandonment, and repair services were performed on April 22, 2015, and are described in detail in the next section.
- On April 29, 2015, the empty Hawkins sulfuric acid (4) and sodium hydroxide (1) drums were removed from the site for disposal.
- One full acid drum, one full sodium hydroxide drum, two partially full acid drums, and an empty acid drum were picked up by Univar ChemCare on April 30, 2015,

for disposal as hazardous waste (full and partial drums) or non-hazardous (empty drum), as appropriate.

5.0 WELL ABANDONMENT, CONSTRUCTION, AND REPAIR

At the request of WDNR, Terracon abandoned existing monitoring well P-2A, constructed a replacement well (P-2AR), and repaired eight existing monitoring wells on April 22, 2015. Details of the work performed follow:

- Monitoring well P-2A was abandoned with grout in general conformance with Wisconsin Administrative Code (WAC), Chapter NR 141. Because the flushmount protective casing was encased within the 10-foot by 10-foot concrete pad, the flushmount lid was removed, but the casing was left in place and filled with concrete. A completed abandonment form is included in Appendix E.
- Replacement monitoring well P-2AR was constructed approximately 5 feet to the north of abandoned monitoring well P-2A just off the existing concrete pad. The well was constructed as a piezometer with a 5-foot long, 0.010-inch slot screen set with the bottom of the screen at 33 feet below ground surface. Monitoring well P-2AR was completed with a flushmount protective cover set in a 3-foot by 3-foot re-bar reinforced concrete pad adjoining the existing 10-foot by 10-foot concrete pad. Three drums of soil cuttings were generated during the well construction activities. The drums were labeled and staged near the shed where the empty drums had been stored. A boring log and completed monitoring well construction form are included in Appendix E.
- Terracon opened the newly constructed well on April 29, 2015, to develop the well; however, the well was found to be dry. The well will have to be developed in the future after groundwater has equilibrated in the well.
- The flushmounts around observation well MW-12 and piezometer P-12A were removed and replaced with new flushmount protective casings set in 3-foot by 3-foot concrete pads reinforced with rebar.
- Observation well MW-5 was extended above grade and completed with protop protective cover as planned so that it will not get buried with snow and gravel due to snowplow and grading activities. The old flushmount was set in a 3-foot by 3-foot concrete pad. Consequently, the flushmount lid was removed and the protop protective cover was set over the polyvinyl chloride (PVC) casing and inside the flushmount. A concrete seal was placed around the protop and finished flush with the existing concrete pad.
- For protection at observation well MW-5, a concrete construction barrier was placed on the north side of the well, which will provide much better protection from trucks and snow plows than bumper posts. The top of the concrete barrier was

painted orange for extra visibility. Jeff Schramm of Midwest Carriers gave his approval for the concrete barrier

- The PVC casing at monitoring wells MW-7R, pilot injection well, P-7A, and MW-19 was cut down so that the flushmount covers could be secured.
- The broken slip cap on the pilot injection well was replaced with a 4-inch expandable cap after cutting down the PVC.
- The PVC at observation well MW-20 was cracked down to about 8-inches. It was dug out, cut off, and then extended with a coupler and several inches of new PVC casing.
- The top of casing (TOC) elevation of the replacement well P-2AR and each of the repaired monitoring wells including MW-5, MW-7R, P-7A, MW-12, P-12A, MW-19, MW-20, and the pilot injection well was re-surveyed. The TOC elevations for these wells were updated within Table 1.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The results of the laboratory analysis from the April 15-16, 2015, sampling event indicate that the groundwater continues to exceed the 1992 NR 140, WAC, ESs for total chromium and four different VOCs (1,1-dichloroethane; 1,1-dichloroethene; 1,1,1-trichloroethane; and trichloroethene). The areal extent of the total chromium plume appears to be approximately the same as for the September 2014 event, which was expanded from its May 2014 extent down-gradient beyond observation well MW-6R and upgradient beyond observation well MW-2. The total chromium concentration in observation well MW-2 increased from 1,240 µg/L in September 2014 to 1,740 µg/L in April 2015. The total chromium concentration has also continued to consistently increase in downgradient observation well MW-6 over the last three sampling rounds from 28.5 µg/L in May 2014 to 441 µg/L in April 2015. The highest total chromium concentration documented in April 2015 was 6,780 µg/L in observation well MW-7R, which was significantly less than in September 2014 when 36,300 µg/L total chromium was detected in observation well MW-7R. Not enough data is available to document whether the significant decrease was related to the reductant treatment injection that took place in summer 2014.

The areal extent of the VOC plume has appeared to be relatively stable since September 2013. Total VOC concentrations have increased significantly at depth in the heart of the plume at piezometer P-7B in May 2014 compared to 2013, and has had similar, but stable concentrations in September 2014 and April 2015. The containment trenches appear to be functioning generally as designed when the pumps are operating.

The groundwater laboratory analysis and the groundwater elevations indicate that the majority of the groundwater plume is generally being controlled horizontally by the groundwater containment trenches when the system is operating at design flow rates, but with seasonal variations.

However, it appears that downgradient observation well MW-6 and upgradient observation MW-2 may not be within the capture zone of the trenches.

Approximately 103,911 gallons of groundwater were extracted from the containment trenches (based on the total effluent readings) from November 1, 2014, through April 30, 2015, which is approximately 130,000 gallons less than were extracted during the previous reporting period. We believe this was a result of low groundwater levels due to the deep frost and lack of precipitation during the winter months.

Based on the laboratory analysis from the April 15-16, 2015, sampling event and the laboratory analysis from the effluent sampling during the reporting period, Terracon recommends continued operation of the groundwater extraction system with discharge of the treated groundwater to the Heart of the Valley sanitary sewer system. However, Terracon notes the following items that may require action in the future.

- The increasing VOCs in the quarterly samples collected between carbon canisters suggest that the first carbon canister may be spent or close to being spent, such that breakthrough of the first canister has occurred. At this time VOCs in the effluent have not increased, which suggests that the second carbon canister is still providing treatment. This situation should be closely monitored and the carbon canister(s) replaced when appropriate, either by replacing both canisters concurrently or rotating the second canister to the first position, and placing a new canister in the second position.
- The increasing chromium and VOC concentrations in observation well MW-6R suggest that it may not lie fully within the capture zone of Trench A. The capture zone may be increased somewhat if Pump A could be lowered in the sump. Currently, the pump lies approximately 3 feet or more off bottom because of significant silt accumulation in the sump. Potentially the pump could be lowered if the silt was removed from the bottom of the sump, and the high float position adjusted.

7.0 GENERAL COMMENTS

The analysis and opinions expressed in this report are based upon data obtained from the system operation and maintenance activities and laboratory chemical analyses at the indicated locations or from other information discussed in this report. This report does not reflect variations in subsurface stratigraphy, hydrogeology, and contaminant distribution that may occur across the site. Actual subsurface conditions may vary and may not become evident without further assessment.

This report was prepared for the exclusive use of our client for specific application to the project discussed and has been prepared in accordance with generally accepted environmental engineering practices. No warranties, express or implied are intended or made. In the event any changes in the nature or location of suspected sources of contamination as outlined in this report are observed, the conclusions and recommendations contained in this report shall not be valid unless these changes are reviewed and the opinions of this report are modified or verified in writing by Terracon.

8.0 REFERENCES

Foth Infrastructure & Environment, LLC, 2007, Groundwater Injection Documentation and Monitoring, June 2007.

Foth Infrastructure & Environment, LLC, 2009, First Quarter 2009 Operations & Maintenance Report No. 14: Green Bay, WI, May 14, 2009.

GeoTrans, Inc., 2004, Supplemental Site Investigation Evaluation of Ferric Chloride Injection at the Former Wisconsin Chromium Corporation Site at 2101 Hyland Avenue, Kaukauna, Outagamie County, WI, June 14, 2004.

McMahon Associates, Inc., 2005, Quarterly Progress Report #4, October, November, December 2004, and Semi-Annual Operations & Maintenance Report, July 2004 – December 2004

9.0 CERTIFICATIONS

I, Blaine R. Schroyer, P.E., hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

E-31505
Signature and P.E. number

Project Engineer
Title

I, Scott A. Hodgson, P.G., hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

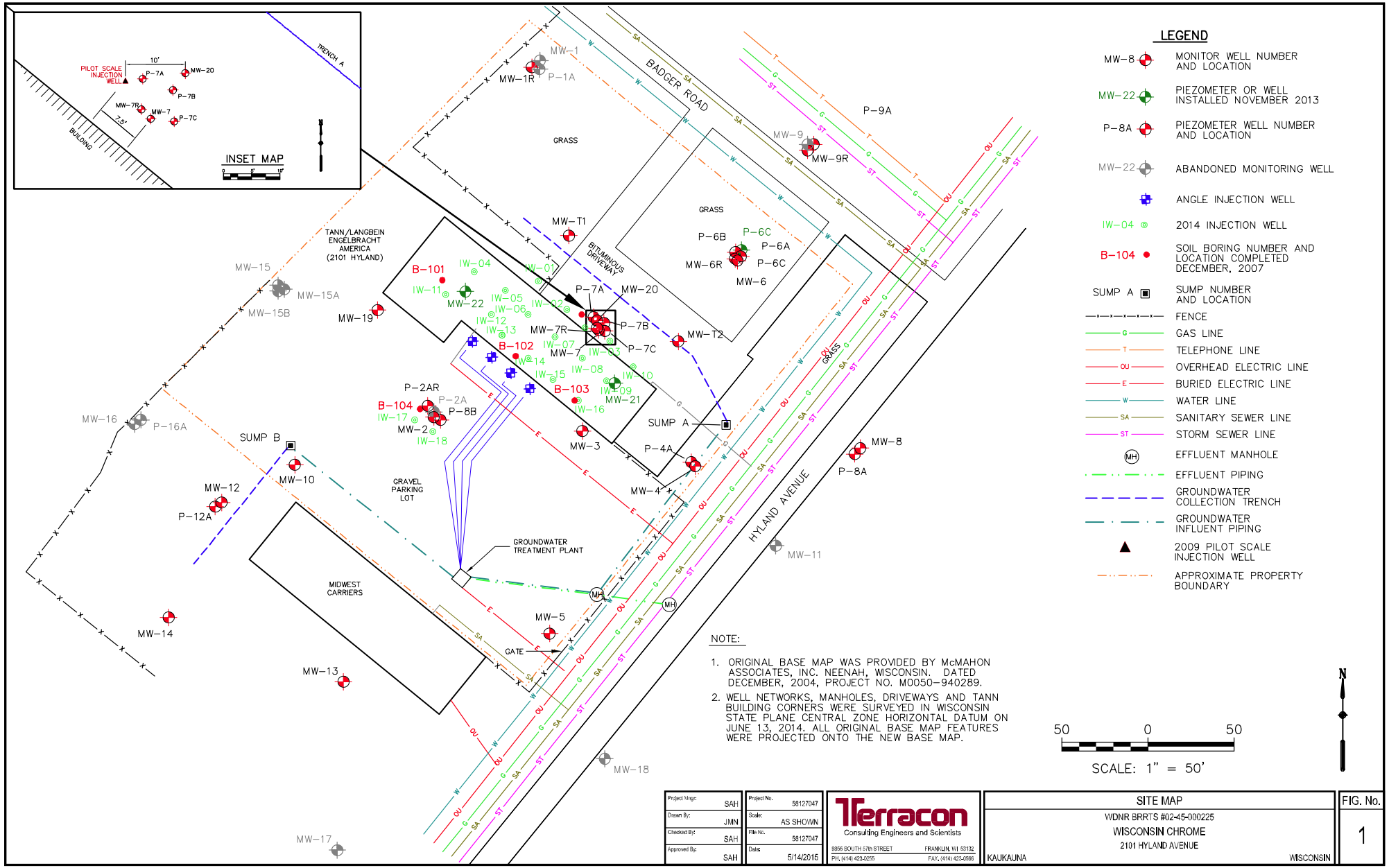
PG-1229
Signature and P.G. number

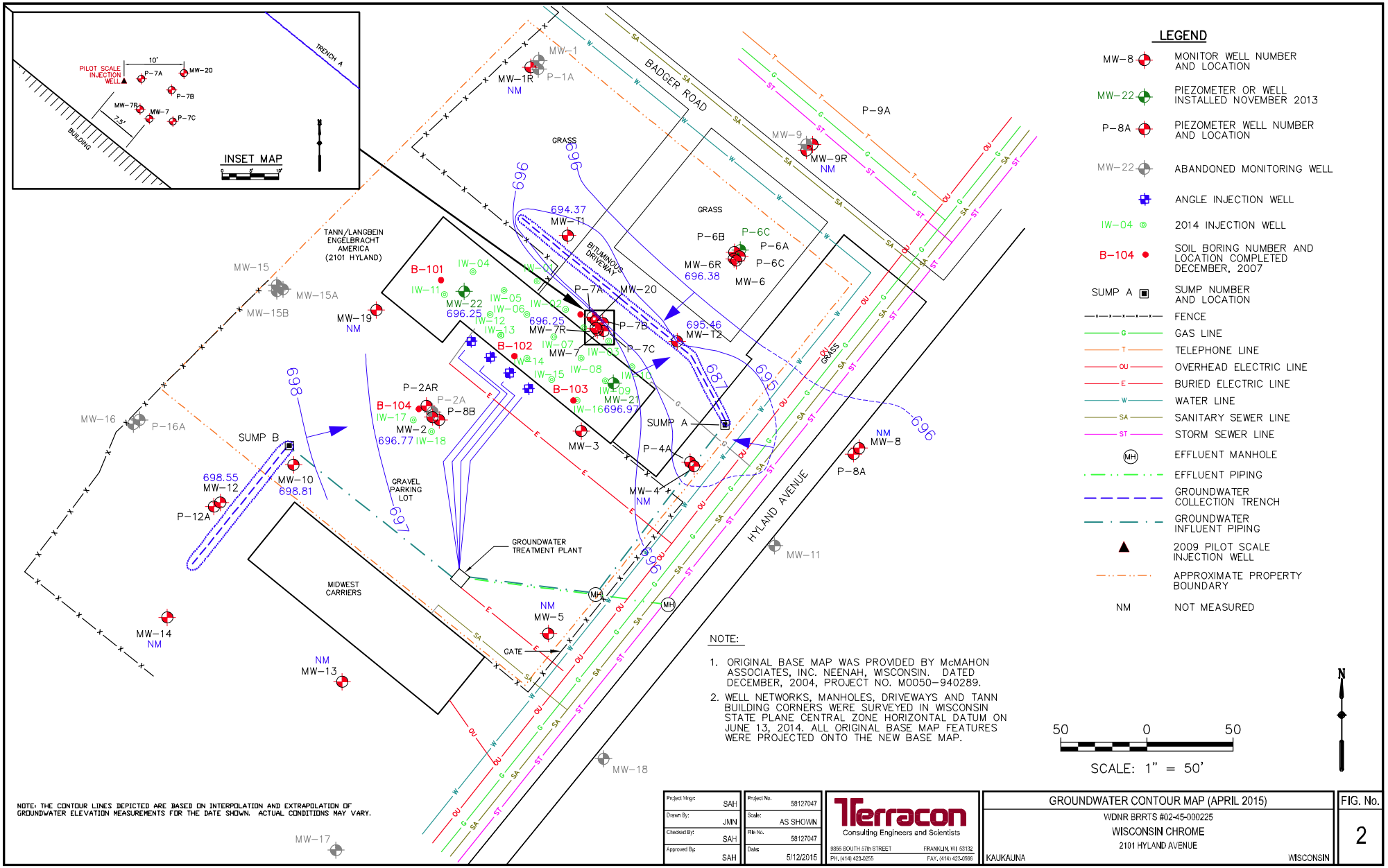
June 8, 2015
Date

Project Geologist
Title

APPENDIX A
FIGURES

Figure 1 Site Map
Figure 2 Groundwater Contour Map (April 2015)
Figure 3 MW-7R Total Chromium
Figure 4 P-7B Total Chromium
Figure 5 Total Chromium Plume (April 2015)
Figure 6 Total VOC Plume (April 2015)
Figure 7 Cross Section A – A’
Figure 8 Influent Chromium Concentrations


INSET MAP
PILOT SCALE INJECTION WELL
TRENCH A
BUILDING
LEGEND
MW-8 MONITOR WELL NUMBER AND LOCATION
MW-22 PIEZOMETER OR WELL INSTALLED NOVEMBER 2013
P-8A PIEZOMETER WELL NUMBER AND LOCATION
MW-22 ABANDONED MONITORING WELL
ANGLE INJECTION WELL
IW-04 2014 INJECTION WELL
B-104 SOIL BORING NUMBER AND LOCATION COMPLETED DECEMBER, 2007
SUMP A SUMP NUMBER AND LOCATION
FENCE
GAS LINE
TELEPHONE LINE
OVERHEAD ELECTRIC LINE
BURIED ELECTRIC LINE
WATER LINE
SANITARY SEWER LINE
STORM SEWER LINE
EFFLUENT MANHOLE
EFFLUENT PIPING
GROUNDWATER COLLECTION TRENCH
GROUNDWATER INFLUENT PIPING
2009 PILOT SCALE INJECTION WELL
APPROXIMATE PROPERTY BOUNDARY
BADGER ROAD
HYLAND AVENUE
TANN/LANGBEIN ENGELBRACHT AMERICA (2101 HYLAND)
BITUMINOUS DRIVEWAY
GRASS
GRAVEL PARKING LOT
MIDWEST CARRIERS
GROUNDWATER TREATMENT PLANT
SUMP A
SUMP B
GATE
MW-1
MW-1R
P-1A
MW-9
MW-9R
P-9A
MW-T1
MW-T2
P-6B
P-6C
P-6A
MW-6R
MW-6
MW-15
MW-15A
MW-15B
MW-19
B-101
IW-04
IW-11
MW-22
IW-05
IW-06
IW-02
IW-01
IW-12
IW-13
MW-7R
MW-7
P-7A
MW-20
P-7B
P-7C
IW-03
B-102
IW-14
IW-07
IW-15
IW-08
IW-10
B-103
IW-09
MW-21
IW-16
P-2AR
B-104
IW-17
P-2A
P-8B
MW-2
IW-18
MW-3
P-4A
MW-4
MW-16
P-16A
MW-12
P-12A
MW-10
MW-5
MW-14
MW-13
MW-17
MW-18
MW-11
MW-8
P-8A
NOTE:
1. ORIGINAL BASE MAP WAS PROVIDED BY McMAHON ASSOCIATES, INC. NEENAH, WISCONSIN. DATED DECEMBER, 2004, PROJECT NO. M0050-940289.
2. WELL NETWORKS, MANHOLES, DRIVEWAYS AND TANN BUILDING CORNERS WERE SURVEYED IN WISCONSIN STATE PLANE CENTRAL ZONE HORIZONTAL DATUM ON JUNE 13, 2014. ALL ORIGINAL BASE MAP FEATURES WERE PROJECTED ONTO THE NEW BASE MAP.
50 0 50
SCALE: 1" = 50'
N
Project Mngr: SAH
Drawn By: JMN
Checked By: SAH
Approved By: SAH
Project No. 58127047
Scale: AS SHOWN
File No. 58127047
Date: 5/14/2015
Terracon
Consulting Engineers and Scientists
8956 SOUTH 57th STREET FRANKLIN, WI 53132
PH. (414) 423-0055 FAX. (414) 423-0566
SITE MAP
WDNR BRRTS #02-45-000225
WISCONSIN CHROME
2101 HYLAND AVENUE
KAUKAUNA WISCONSIN
FIG. No.
1


INSET MAP
PILOT SCALE INJECTION WELL
TRENCH A
BUILDING
MW-20
P-7A
P-7B
P-7C
MW-7R
MW-7
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NM NOT MEASURED
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TANN/LANGBEIN ENGELBRACHT AMERICA (2101 HYLAND)
BITUMINOUS DRIVEWAY
GRASS
GRAVEL PARKING LOT
MIDWEST CARRIERS
GROUNDWATER TREATMENT PLANT
SUMP A
SUMP B
GATE
MW-1
MW-1R
P-1A
MW-9
MW-9R
P-9A
MW-6
MW-6R
P-6A
P-6B
P-6C
MW-T1
MW-T2
MW-3
MW-4
P-4A
MW-5
MW-8
P-8A
MW-10
MW-11
MW-12
P-12A
MW-13
MW-14
MW-15
MW-15A
MW-15B
MW-16
P-16A
MW-17
MW-18
MW-19
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P-8B
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B-102
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B-104
IW-04
IW-05
IW-06
IW-07
IW-08
IW-09
IW-10
IW-11
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698.55
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NM
696
697
698
699
695
687
NOTE:
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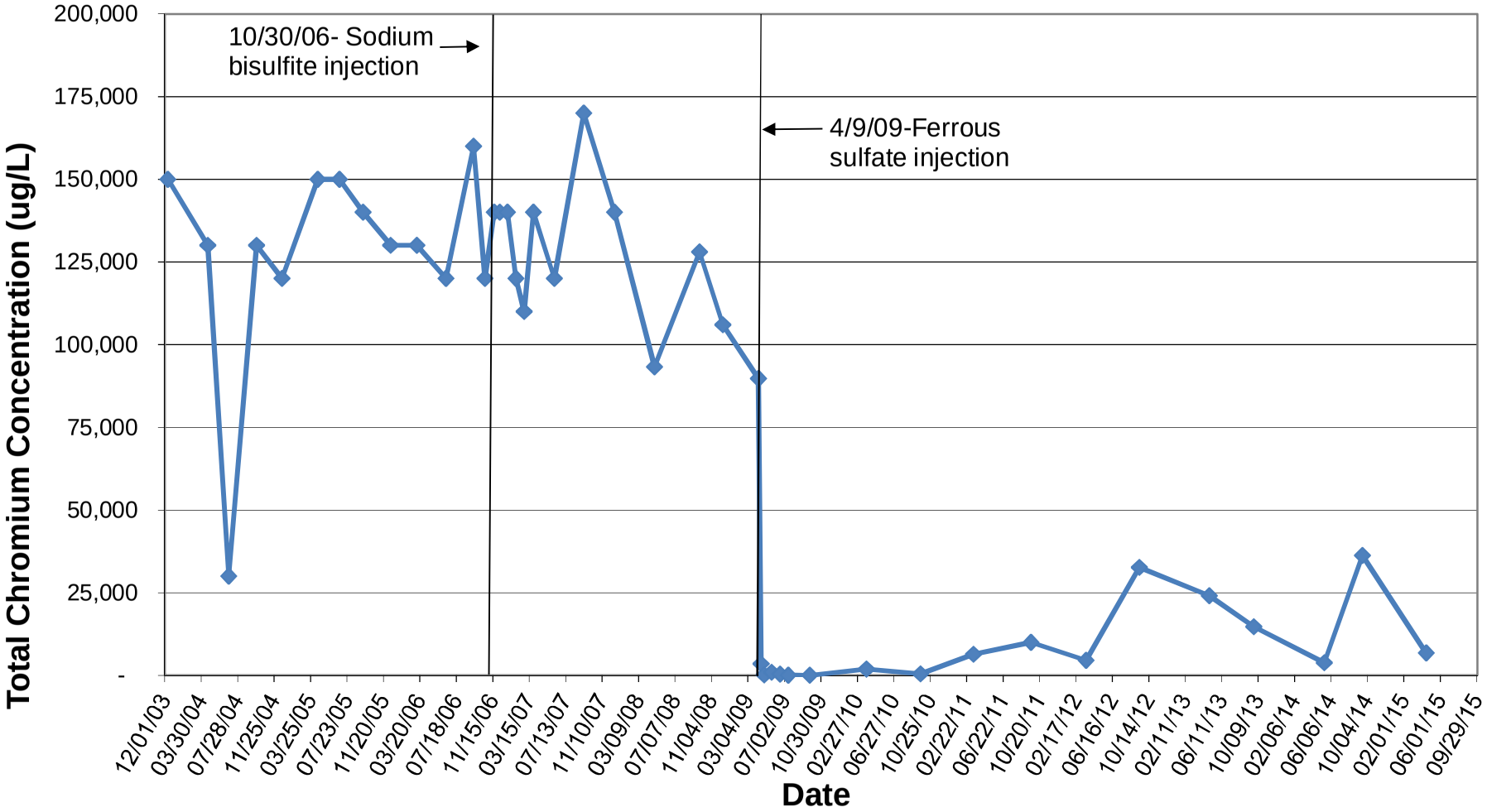
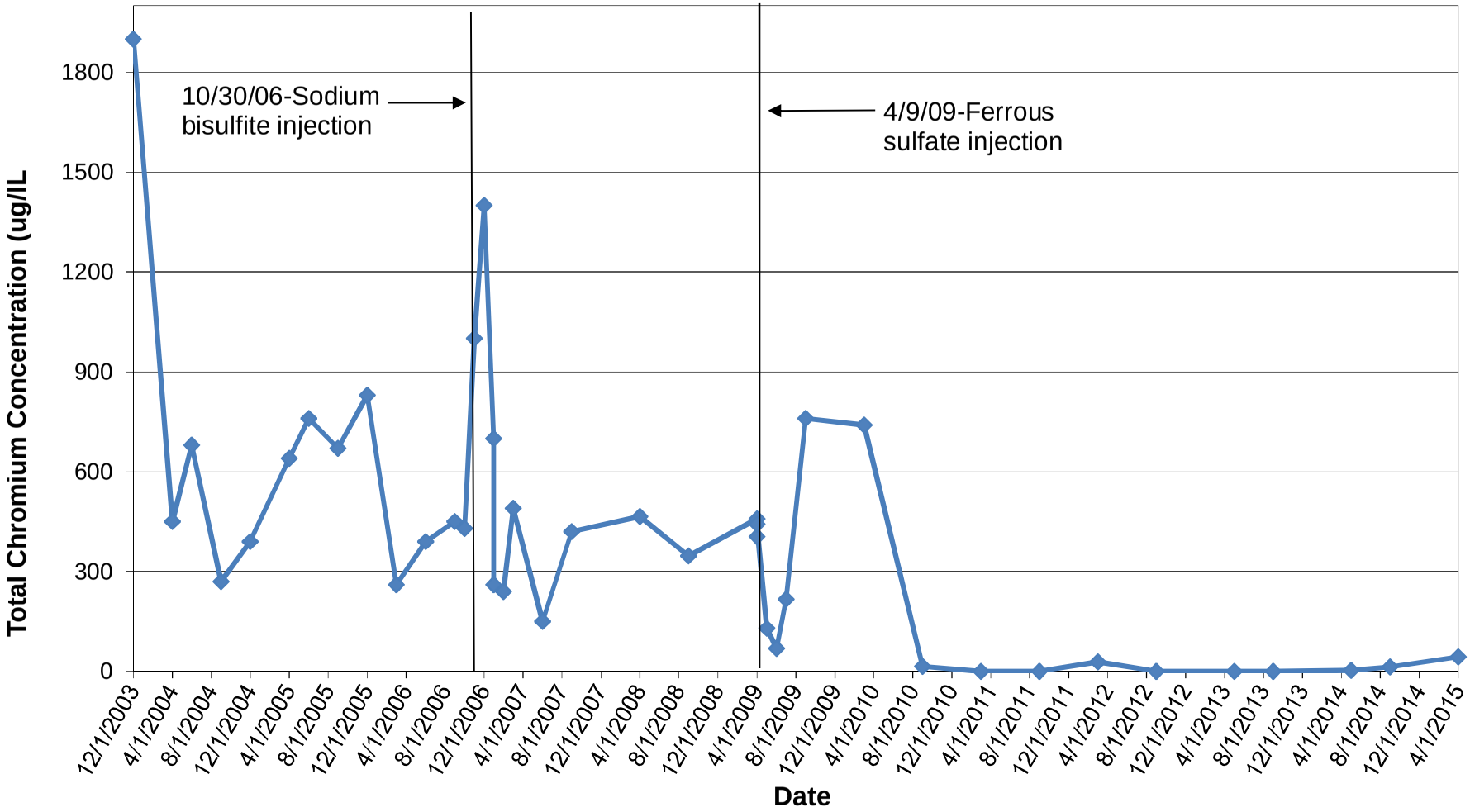
2. WELL NETWORKS, MANHOLES, DRIVEWAYS AND TANN BUILDING CORNERS WERE SURVEYED IN WISCONSIN STATE PLANE CENTRAL ZONE HORIZONTAL DATUM ON JUNE 13, 2014. ALL ORIGINAL BASE MAP FEATURES WERE PROJECTED ONTO THE NEW BASE MAP.
50 0 50
SCALE: 1" = 50'
N
NOTE: THE CONTOUR LINES DEPICTED ARE BASED ON INTERPOLATION AND EXTRAPOLATION OF GROUNDWATER ELEVATION MEASUREMENTS FOR THE DATE SHOWN. ACTUAL CONDITIONS MAY VARY.
Project Mngr: SAH
Drawn By: JMN
Checked By: SAH
Approved By: SAH
Project No. 58127047
Scale: AS SHOWN
File No. 58127047
Date 5/12/2015
Terracon
Consulting Engineers and Scientists
8956 SOUTH 57th STREET FRANKLIN, WI 53132
PH. (414) 423-0055 FAX. (414) 423-0566
GROUNDWATER CONTOUR MAP (APRIL 2015)
WDNR BRRTS #02-45-000225
WISCONSIN CHROME
2101 HYLAND AVENUE
KAUKAUNA WISCONSIN
FIG. No.
2

Figure 3
MW-7R Total Chromium[1]
Screen Depth: 17-27 feet
Wisconsin Chrome, Kaukauna, Wisconsin / Project No. 58127047

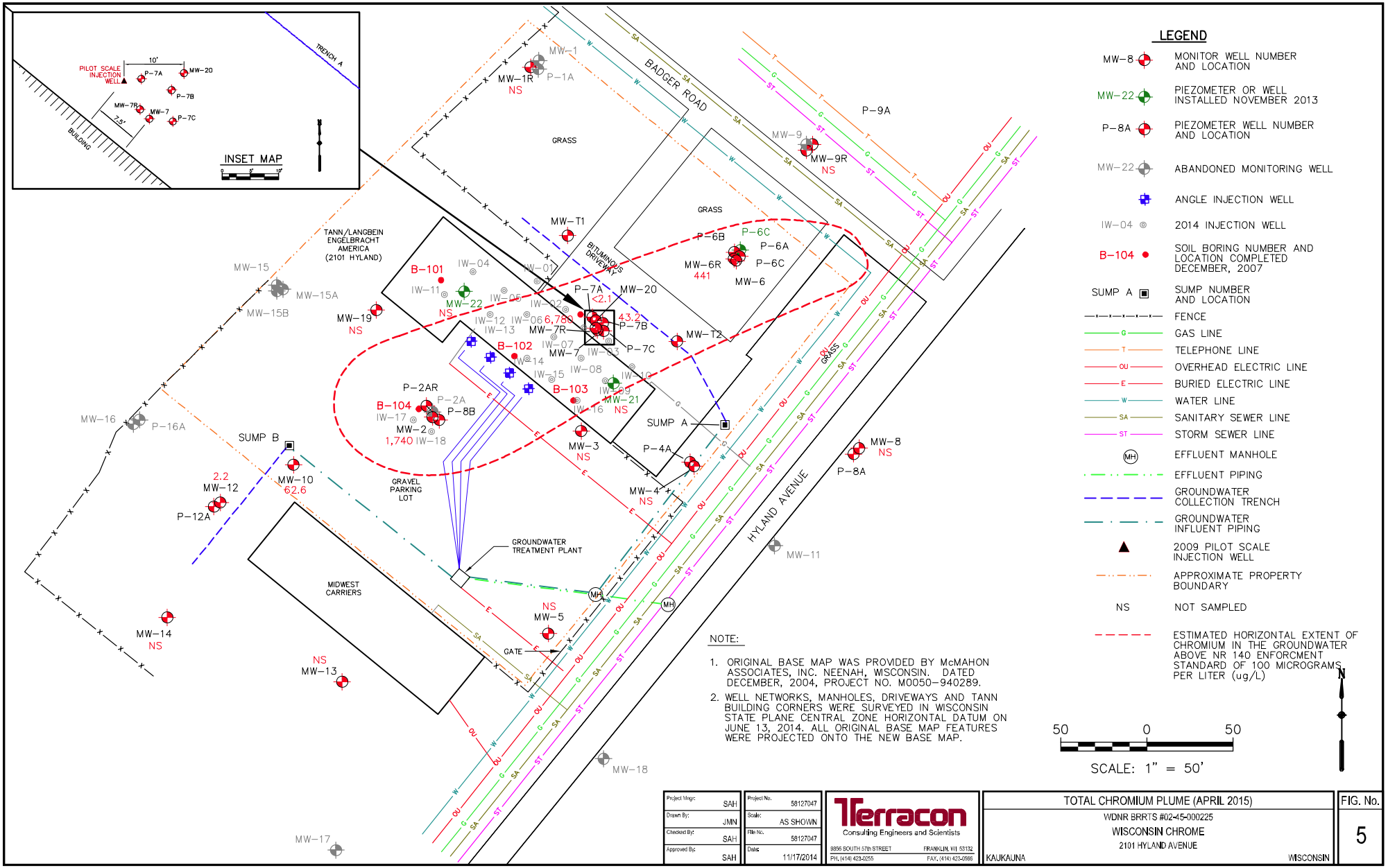


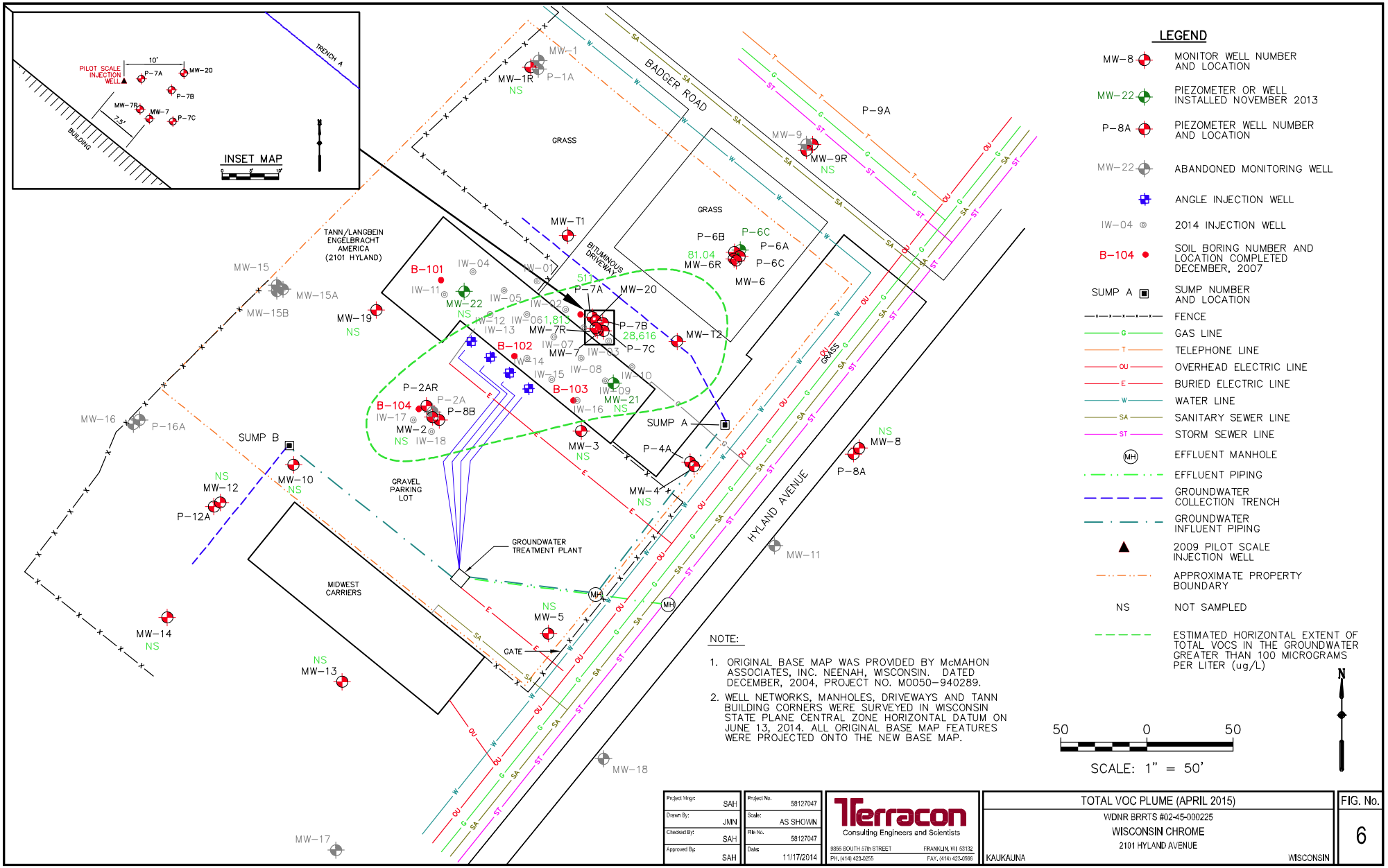
[1] Chromium samples not field filtered 2003; field filtered 2004-2014.

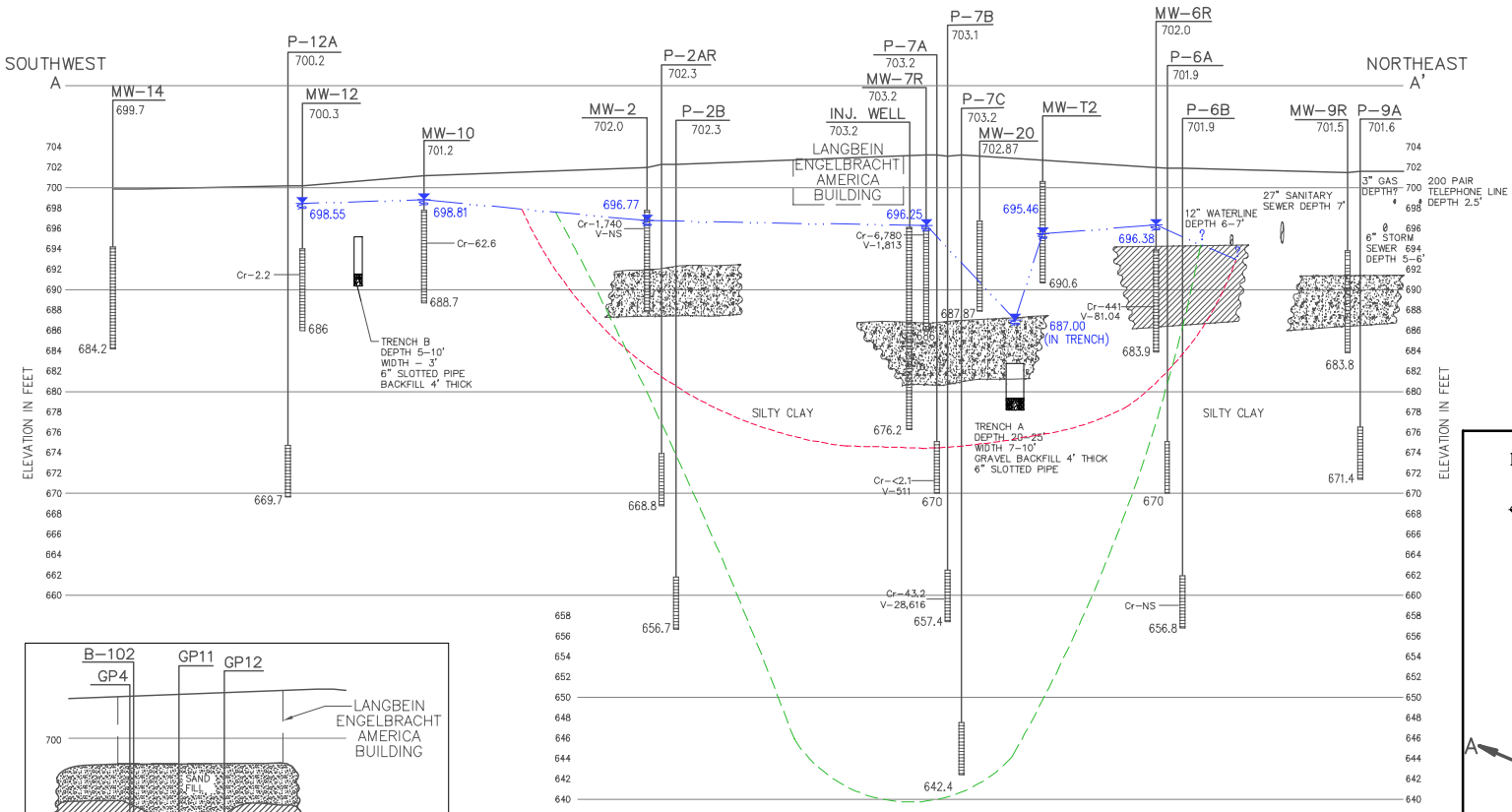
Figure 4
P-7B Total Chromium[1]
Screen Depth: 32-37 feet
Wisconsin Chrome, Kaukauna, Wisconsin / Project #No. 58127047

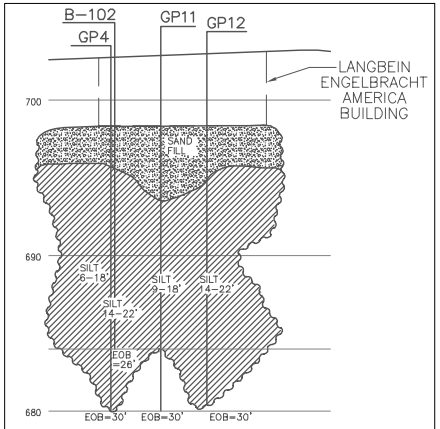


[1] Chromium samples field filtered 1999-2000; field filtered 2004-2014.

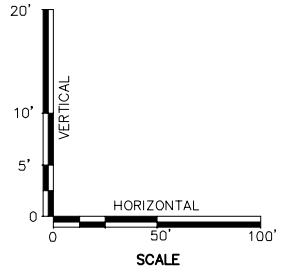

INSET MAP
PILOT SCALE INJECTION WELL
TRENCH A
BUILDING
LEGEND
MONITOR WELL NUMBER AND LOCATION
PIEZOMETER OR WELL INSTALLED NOVEMBER 2013
PIEZOMETER WELL NUMBER AND LOCATION
ABANDONED MONITORING WELL
ANGLE INJECTION WELL
2014 INJECTION WELL
SOIL BORING NUMBER AND LOCATION COMPLETED DECEMBER, 2007
SUMP NUMBER AND LOCATION
FENCE
GAS LINE
TELEPHONE LINE
OVERHEAD ELECTRIC LINE
BURIED ELECTRIC LINE
WATER LINE
SANITARY SEWER LINE
STORM SEWER LINE
EFFLUENT MANHOLE
EFFLUENT PIPING
GROUNDWATER COLLECTION TRENCH
GROUNDWATER INFLUENT PIPING
2009 PILOT SCALE INJECTION WELL
APPROXIMATE PROPERTY BOUNDARY
NOT SAMPLED
ESTIMATED HORIZONTAL EXTENT OF CHROMIUM IN THE GROUNDWATER ABOVE NR 140 ENFORCMENT STANDARD OF 100 MICROGRAMS PER LITER (ug/L)
BADGER ROAD
HYLAND AVENUE
TANN/LANGBEIN ENGELBRACHT AMERICA (2101 HYLAND)
GRASS
BITUMINOUS DRIVEWAY
GRAVEL PARKING LOT
MIDWEST CARRIERS
GROUNDWATER TREATMENT PLANT
SUMP A
SUMP B
GATE
MW-1
MW-1R
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-7R
MW-8
MW-9
MW-9R
MW-10
MW-11
MW-12
MW-13
MW-14
MW-15
MW-15A
MW-15B
MW-16
MW-17
MW-18
MW-19
MW-20
MW-21
MW-22
MW-6R
MW-T1
MW-T2
B-101
B-102
B-103
B-104
P-1A
P-2A
P-2AR
P-4A
P-6A
P-6B
P-6C
P-7A
P-7B
P-7C
P-8A
P-8B
P-9A
P-12A
P-16A
NOTE:
1. ORIGINAL BASE MAP WAS PROVIDED BY McMAHON ASSOCIATES, INC. NEENAH, WISCONSIN. DATED DECEMBER, 2004, PROJECT NO. M0050-940289.
2. WELL NETWORKS, MANHOLES, DRIVEWAYS AND TANN BUILDING CORNERS WERE SURVEYED IN WISCONSIN STATE PLANE CENTRAL ZONE HORIZONTAL DATUM ON JUNE 13, 2014. ALL ORIGINAL BASE MAP FEATURES WERE PROJECTED ONTO THE NEW BASE MAP.
50 0 50
SCALE: 1" = 50'
N
Project Mngr: SAH
Drawn By: JMN
Checked By: SAH
Approved By: SAH
Project No. 58127047
Scale: AS SHOWN
File No. 58127047
Date 11/17/2014
Terracon
Consulting Engineers and Scientists
8956 SOUTH 57th STREET FRANKLIN, WI 53132
PH. (414) 423-0255 FAX. (414) 423-0566
TOTAL CHROMIUM PLUME (APRIL 2015)
WDNR BRRTS #02-45-000225
WISCONSIN CHROME
2101 HYLAND AVENUE
KAUKAUNA WISCONSIN
FIG. No.
5


INSET MAP
PILOT SCALE INJECTION WELL
TRENCH A
BUILDING
10'
7.5'
P-7A
MW-20
P-7B
MW-7R
MW-7
P-7C
LEGEND
MW-8 MONITOR WELL NUMBER AND LOCATION
MW-22 PIEZOMETER OR WELL INSTALLED NOVEMBER 2013
P-8A PIEZOMETER WELL NUMBER AND LOCATION
MW-22 ABANDONED MONITORING WELL
ANGLE INJECTION WELL
IW-04 2014 INJECTION WELL
B-104 SOIL BORING NUMBER AND LOCATION COMPLETED DECEMBER, 2007
SUMP A SUMP NUMBER AND LOCATION
FENCE
GAS LINE
TELEPHONE LINE
OVERHEAD ELECTRIC LINE
BURIED ELECTRIC LINE
WATER LINE
SANITARY SEWER LINE
STORM SEWER LINE
EFFLUENT MANHOLE
EFFLUENT PIPING
GROUNDWATER COLLECTION TRENCH
GROUNDWATER INFLUENT PIPING
2009 PILOT SCALE INJECTION WELL
APPROXIMATE PROPERTY BOUNDARY
NS NOT SAMPLED
ESTIMATED HORIZONTAL EXTENT OF TOTAL VOCS IN THE GROUNDWATER GREATER THAN 100 MICROGRAMS PER LITER (ug/L)
BADGER ROAD
HYLAND AVENUE
TANN/LANGBEIN ENGELBRACHT AMERICA (2101 HYLAND)
BITUMINOUS DRIVEWAY
GRASS
GRAVEL PARKING LOT
MIDWEST CARRIERS
GROUNDWATER TREATMENT PLANT
GATE
SUMP A
SUMP B
MW-1
MW-1R
P-1A
MW-9
MW-9R
P-9A
MW-T1
MW-T2
P-6B
P-6C
P-6A
MW-6R
MW-6
MW-15
MW-15A
MW-15B
MW-19
MW-16
P-16A
MW-12
P-12A
MW-14
MW-13
MW-10
MW-5
MW-2
P-2A
P-2AR
P-8B
MW-3
P-4A
MW-4
MW-8
P-8A
MW-11
MW-18
MW-17
B-101
B-102
B-103
B-104
IW-01
IW-02
IW-03
IW-04
IW-05
IW-06
IW-07
IW-08
IW-09
IW-10
IW-11
IW-12
IW-13
IW-14
IW-15
IW-16
IW-17
IW-18
MW-21
MW-22
511
1,813
28,616
81.04
NS
NOTE:
1. ORIGINAL BASE MAP WAS PROVIDED BY McMAHON ASSOCIATES, INC. NEENAH, WISCONSIN. DATED DECEMBER, 2004, PROJECT NO. M0050-940289.
2. WELL NETWORKS, MANHOLES, DRIVEWAYS AND TANN BUILDING CORNERS WERE SURVEYED IN WISCONSIN STATE PLANE CENTRAL ZONE HORIZONTAL DATUM ON JUNE 13, 2014. ALL ORIGINAL BASE MAP FEATURES WERE PROJECTED ONTO THE NEW BASE MAP.
50 0 50
SCALE: 1" = 50'
N
Project Mngr: SAH
Drawn By: JMN
Checked By: SAH
Approved By: SAH
Project No. 58127047
Scale: AS SHOWN
File No. 58127047
Date 11/17/2014
Terracon
Consulting Engineers and Scientists
8956 SOUTH 57th STREET FRANKLIN, WI 53132
PH. (414) 423-0255 FAX. (414) 423-0566
TOTAL VOC PLUME (APRIL 2015)
WDNR BRRTS #02-45-000225
WISCONSIN CHROME
2101 HYLAND AVENUE
KAUKAUNA WISCONSIN
FIG. No.
6

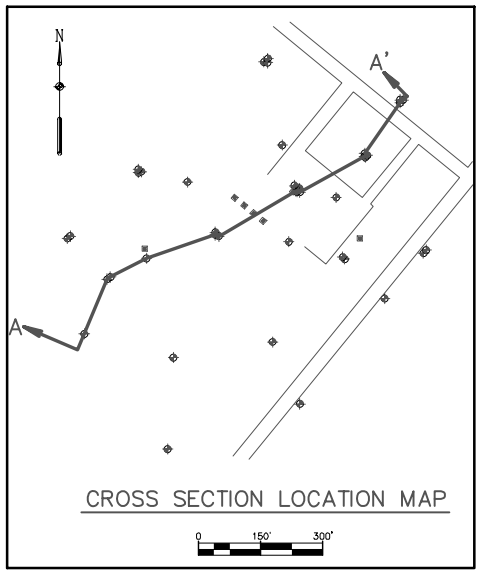




SECTION DETAIL
NOT TO SCALE



SCALE



CROSS SECTION LOCATION MAP

NOTES:

1. BASE MAP PROVIDED BY McMAHON ASSOCIATES, INC. NEENAH, WISCONSIN. DATED DECEMBER, 2004.
2. BASE MAP MODIFIED BY FOTH INFRASTRUCTURE AND ENVIRONMENT, LLC. JANUARY 2009, AND PROVIDED TO SCS BT SQUARED.
3. THE AREAS ON THE CROSS SECTION OTHER THAN SILTY SAND AND SILT ARE EITHER SILTY CLAY OR CLAYEY SILT BASED ON SOIL BORING LOGS FROM SOME (BUT NOT ALL) MONITORING WELLS AND A CONVERSATION WITH JENNIFER BORSKI OF THE WDNR.
4. GROUNDWATER ELEVATIONS AND CONTAMINANT CONCENTRATIONS SHOWN ARE FOR MARCH 2011.
5. GEOPROBE BORINGS GP4, GP11, GP12 INSTALLED BY GEOTRANS, INC. 12/03-01/04.

LEGEND

- WATER LEVEL INDICATOR AND GROUNDWATER ELEVATION
- SCREEN AT DEPTH
- CLAY
- SILT
- SILTY SAND
- ESTIMATED EXTENT OF TOTAL CHROMIUM ABOVE THE CHAPTER NR140 ES, CONCENTRATION > 100 (ug/L)
- ESTIMATED EXTENT OF TOTAL VOCs IN GROUNDWATER GREATER THAN 100 ug/L
- WATER TABLE LEVEL
- V – TOTAL VOC (ug/L) IN GROUNDWATER
- Cr – TOTAL CHROMIUM (ug/L) IN GROUNDWATER
- ND – NOT DETECTED

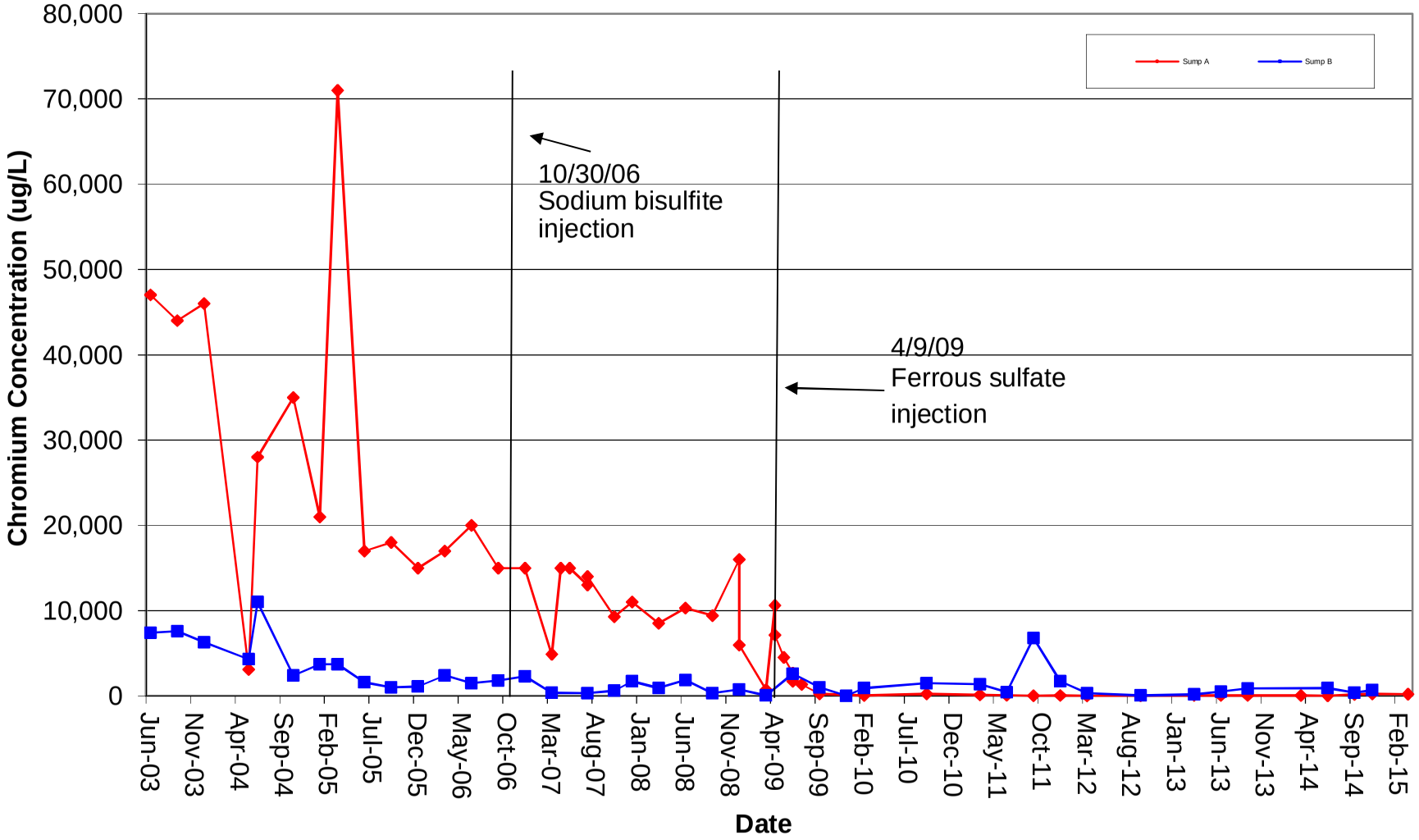
Project Mngr:	SAH
Drawn By:	JMN
Checked By:	SAH
Approved By:	BRS
Project No.	58127047
Scale:	AS SHOWN
File No.	SECTION
Date:	5/12/2015

Terracon
Consulting Engineers and Scientists
9886 SOUTH 57th STREET FRANKLIN, WI 53132
PH. (414) 423-0259 FAX. (414) 423-0566

CROSS SECTION A-A' (APRIL 2015)
WDNR BRRTS #02-45-000225
WISCONSIN CHROME
2101 HYLAND AVENUE
KAUKAUNA WISCONSIN

FIG. No. 7

Figure 8
Influent Chromium Concentrations
Unfiltered
Wisconsin Chrome, Kaukauna, Wisconsin Project No. 58127047



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APPENDIX B
TABLES

Table 1 Groundwater Elevations

Table 2 Groundwater Analytical Results

Table 3 Flow Meter Summary (Gallons)

Table 4 November 1, 2014 to April 30, 2015 Chromium and VOC Mass Removal Summary

Table 1
Groundwater Elevations
Wisconsin Chrome, Kaukauna, Wisconsin
Terracon Project No. 58127047

Measured Location	Date	Depth to Groundwater (ft)	Reference Elevation (ft)	Groundwater Elevation (ft)	Screened Interval (ft)
B-101	12/21/2007	23.65			
B-102	12/21/2007	23.15			
B-103	12/21/2007	10.55			
MW-1	6/18/2002	3.10	699.96	696.86	668.2 - 678.2
	9/30/2002	10.91		689.05	
	12/23/2002	11.62		688.34	
	3/31/2003	11.00		688.96	
	4/14/2003	10.17		689.79	
	6/16/2003	9.82		690.14	
	9/23/2003	10.21		689.75	
	4/28/2004	10.03		689.93	
	6/30/2005		700.10		
MW-1R	6/18/2002	1.37	700.05	698.68	687.0 - 697.0
	9/30/2002	7.39		692.66	
	12/23/2002	9.16		690.89	
	3/31/2003	4.03		696.02	
	4/14/2003	4.23		695.82	
	6/16/2003	4.28		695.77	
	9/23/2003	5.04		695.01	
	12/9/2003	4.50		695.55	
	6/29/2004	2.53		697.52	
	9/28/2004	9.43		690.62	
	12/13/2004	3.12		696.93	
	3/29/2005	7.05	700.05	693.00	
	6/27/2005	11.81	699.68	687.87	
	9/13/2005	11.61		688.07	
	12/13/2005	11.53		688.15	
	3/9/2006	11.81		687.87	
	6/13/2006	8.76		690.92	
	9/13/2006	7.63		692.05	
	1/2/2007	2.25		697.43	
	3/29/2007	3.31		696.37	
	9/11/2007	4.20		695.85	
	9/26/2008	8.15		691.53	
	9/23/2009	4.82		694.86	
	9/23/2010	0.30		699.38	
	3/17/2011	0.30		699.38	
	9/22/2011	10.17		689.88	
	9/24/2013	4.91		694.77	
MW-2	6/18/2002	2.27	701.86	699.59	687.8 - 697.8
	9/30/2002	5.51		696.35	
	12/23/2002	7.70		694.16	
	3/31/2003	5.94		695.92	
	6/16/2003	3.66		698.20	
	9/23/2003	3.90		697.96	
	12/9/2003	4.60	701.88[#]	697.28	

Table 1
Groundwater Elevations
Wisconsin Chrome, Kaukauna, Wisconsin
Terracon Project No. 58127047

Measured Location	Date	Depth to Groundwater (ft)	Reference Elevation (ft)	Groundwater Elevation (ft)	Screened Interval (ft)
MW-2 (cont.)	4/15/2004	4.20		697.68	
	6/22/2004	2.51		699.37	
	9/28/2004	7.23	701.58***	694.35	
	12/13/2004	4.53	701.58***	697.05	
	3/29/2005	6.05	701.58***	695.53	
	6/27/2005	4.85	701.69	696.84	
	9/13/2005	5.15		696.54	
	12/13/2005	6.30		695.39	
	4/7/2006	5.20		696.49	
	6/13/2006	3.70		697.99	
	9/14/2006	6.35		695.34	
	1/2/2007	4.39		697.30	
	3/29/2007	3.87		697.82	
	9/11/2007	5.15		696.54	
	12/21/2007	8.00		693.69	
	4/30/2008	1.80		699.89	
	9/26/2008	7.12		694.57	
	12/15/2008	7.75		693.94	
	4/17/2009	5.04		696.65	
	9/24/2009	5.42		696.27	
	3/29/2010	3.95		697.74	
	9/23/2010	10.15		691.54	
	3/17/2011	8.13		693.56	
	9/22/2011	4.67		697.02	
	3/21/2012	3.36		698.33	
	9/12/2012	4.90		696.79	
	4/30/2013	1.94		699.75	
	9/24/2013	4.38		697.31	
	5/14/2014	1.42	701.39†	699.97	
	9/18/2014	4.00		697.39	
	4/15/2015	4.62		696.77	
MW-3	6/18/2002	3.60	702.99	699.39	686.4 - 696.4
	9/30/2002	8.40		694.59	
	12/23/2002	10.36		692.63	
	3/31/2003	6.13		696.86	
	6/16/2003	4.75		698.24	
	9/23/2003	4.82		698.17	
	12/9/2003	7.16	702.98#	695.82	
	6/22/2004	3.95		699.03	
	9/28/2004	10.63		692.35	
	12/13/2004	5.19		697.79	
	3/30/2005	6.89		696.09	
	6/27/2005	8.00	702.02	694.02	
	9/13/2005	8.20		693.82	
	12/13/2005	8.26		693.76	
	3/9/2006	7.47		694.55	

Table 1
Groundwater Elevations
Wisconsin Chrome, Kaukauna, Wisconsin
Terracon Project No. 58127047

Measured Location	Date	Depth to Groundwater (ft)	Reference Elevation (ft)	Groundwater Elevation (ft)	Screened Interval (ft)
MW-3 (cont.)	6/13/2006	6.87		695.15	
	9/12/2006	8.67		693.35	
	1/2/2007	5.40		696.62	
	3/29/2007	4.56		697.46	
	9/11/2007	7.62		694.40	
	9/26/2008	10.05		691.97	
	12/12/2008	9.20		692.82	
	9/23/2009	6.45		695.57	
	9/22/2011	6.33		695.69	
	9/12/2012	6.89		695.13	
	9/24/2013	6.22		695.80	
	9/18/2014	5.99		696.03	
MW-4	6/18/2002	7.54	702.38	694.84	686.9 - 696.9
	9/30/2002	11.17		691.21	
	12/23/2002	12.73		689.65	
	3/31/2003	9.20		693.18	
	6/16/2003	8.97		693.41	
	9/23/2003	9.41		692.97	
	12/9/2003	9.93		692.45	
	4/20/2004	8.63		693.75	
	6/23/2004	8.27		694.11	
	9/28/2004	12.94		689.44	
	12/13/2004	8.88		693.50	
	3/30/2005	9.68		692.70	
	6/27/2005	10.70	702.39	691.69	
	9/13/2005	10.71		691.68	
	12/13/2005	10.45		691.94	
	3/9/2006	9.72		692.67	
	6/13/2006	9.78		692.61	
	9/13/2006	11.00		691.39	
	1/2/2007	8.25		694.14	
	3/29/2007	7.22		695.17	
	9/10/2007	8.15		694.24	
	9/26/2008	13.55		688.84	
	12/12/2008	12.78		689.61	
	9/23/2009	8.95		693.44	
	9/23/2010	7.70		694.69	
	3/17/2011	7.48		694.91	
	9/22/2011	8.05		694.34	
	9/12/2012	8.51		693.88	
	9/24/2013	7.92		694.47	
	9/18/2014	8.60		693.79	
MW-5	6/18/2002	2.92	701.27	698.35	684.9 - 694.9
	9/30/2002	6.95		694.32	
	12/23/2002	8.61		692.66	
	3/31/2003	4.18		697.09	

Table 1
Groundwater Elevations
Wisconsin Chrome, Kaukauna, Wisconsin
Terracon Project No. 58127047

Measured Location	Date	Depth to Groundwater (ft)	Reference Elevation (ft)	Groundwater Elevation (ft)	Screened Interval (ft)
MW-5 (cont.)	4/14/2003	4.66		696.61	
	6/16/2003	4.36		696.91	
	9/23/2003	4.78		696.49	
	12/9/2003	5.62		695.65	
	4/15/2004	5.62		695.65	
	6/22/2004	3.63		697.64	
	9/28/2004	9.38		691.89	
	12/13/2004	3.81		697.46	
	3/30/2005	3.85		697.42	
	6/27/2005	5.70	701.35	695.65	
	9/13/2005	6.65		694.70	
	12/14/2005	6.70		694.65	
	3/9/2006	4.86		696.49	
	6/13/2006	5.52		695.83	
	9/12/2006	4.37		696.98	
	1/2/2007	2.87		698.48	
	9/10/2007	4.25		697.10	
	9/26/2008	9.00		692.35	
	9/23/2009	6.28		695.07	
	9/23/2010	5.13		696.22	
	9/22/2011	8.17		693.18	
	9/12/2012	7.15		694.20	
	9/24/2013	5.95		695.40	
	9/18/2014	5.05		696.30	
MW-5[2]	4/22/2015		704.78		
MW-6	6/18/2002	4.16	701.78	697.62	
	9/30/2002	11.72		690.06	
	12/23/2002	11.74		690.04	
	3/31/2003	10.92		690.86	
	6/16/2003	8.71		693.07	
	9/23/2003	10.22		691.56	
	6/27/2005	4.15	701.79		
	9/23/2010	7.20		694.58	
	3/17/2011	1.40		700.38	
	9/18/2014	8.42		693.36	
MW-6R	12/9/2003	9.00	701.38	692.38	683.9 - 693.9
	4/28/2004	10.04		691.34	
	6/28/2004	5.67		695.71	
	9/28/2004	12.88		688.50	
	12/13/2004	8.12		693.26	
	3/30/2005	12.22		689.16	
	6/27/2005	11.49	701.42	689.93	
	9/13/2005	11.01		690.41	
	12/13/2005	10.73		690.69	

Table 1
Groundwater Elevations
Wisconsin Chrome, Kaukauna, Wisconsin
Terracon Project No. 58127047

Measured Location	Date	Depth to Groundwater (ft)	Reference Elevation (ft)	Groundwater Elevation (ft)	Screened Interval (ft)
MW-6R (cont.)	3/9/2006	11.48		689.94	
	6/13/2006	9.28		692.14	
	9/13/2006	10.85		690.57	
	1/2/2007	7.71		693.71	
	3/29/2007	6.29		695.13	
	9/10/2007	8.10		693.32	
	4/30/2008	4.80		696.62	
	9/26/2008	14.78		686.64	
	4/17/2009	10.68		690.74	
	9/23/2009	9.02		692.40	
	3/29/2010	4.81		696.61	
	9/23/2010	6.65		694.77	
	3/17/2011	0.60		700.82	
	9/22/2011	7.75		693.67	
	3/21/2012	3.50		697.92	
	9/12/2012	7.95		693.47	
	4/30/2013	2.81		698.61	
	9/24/2013	7.10		694.32	
	5/14/2014	1.20		700.22	
	9/18/2014	7.92		693.50	
	4/15/2015	5.04		696.38	
MW-7	6/18/2002	4.92	703.00	698.08	690.8 - 700.8
	9/30/2002	8.49		694.51	
	12/23/2002	10.56		692.44	
	3/31/2003	7.69		695.31	
	6/16/2003	6.06		696.94	
	9/23/2003	6.41		696.59	
	6/27/2005	4.97		698.03	
MW-7R	12/9/2003	7.61	702.63	695.02	686.0 - 696.0
	4/28/2004	5.92		696.71	
	6/28/2004	5.05		697.58	
	9/28/2004	9.30		693.33	
	12/13/2004	6.18		696.45	
	4/18/2005	8.96		693.67	
	6/27/2005	8.33	702.76	694.43	
	9/13/2005	8.22		694.54	
	12/13/2005	8.29		694.47	
	3/9/2006	9.06		693.70	
	6/13/2006	7.30		695.46	
	9/13/2006	8.27		694.49	
	1/2/2007	6.75		696.01	
	3/29/2007	6.18		696.58	
	9/11/2007	7.20		695.56	
	12/21/2007	7.15		695.61	
	4/30/2008	6.05		696.71	
	9/26/2008	9.52		693.24	

Table 1
Groundwater Elevations
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Measured Location	Date	Depth to Groundwater (ft)	Reference Elevation (ft)	Groundwater Elevation (ft)	Screened Interval (ft)
MW-7R (cont.)	12/12/2008	9.68		693.08	
	4/17/2009	7.72		695.04	
	9/23/2009	7.12		695.64	
	3/29/2010	4.93		697.83	
	9/23/2010	5.40		697.36	
	3/17/2011	5.21		697.55	
	9/22/2011	5.90		696.86	
	3/21/2012	3.95		698.81	
	9/12/2012	6.40		696.36	
	4/30/2013	2.71		700.05	
	9/24/2013	6.75		696.01	
	5/14/2014	1.20	702.43†	701.23	
	9/18/2014	6.32		696.11	
	4/15/2015	6.18		696.25	
MW-7R[3]	4/22/2015		702.30		
MW-8	6/18/2002	3.70	701.73	698.03	687.1 - 697.1
	9/30/2002	10.04		691.69	
	12/23/2002	7.93		693.80	
	3/31/2003	4.71		697.02	
	4/14/2003	4.29		697.44	
	6/16/2003	4.39		697.34	
	9/23/2003	6.29		695.44	
	12/9/2003	4.40		697.33	
	4/20/2004	4.31		697.42	
	6/30/2004	4.65		697.08	
	10/14/2004	12.16		689.57	
	12/13/2004	5.56		696.17	
	3/29/2005	3.90		697.83	
	6/27/2005	5.55	701.80	696.25	
	9/13/2005	13.05		688.75	
	12/14/2005	11.98		687.37	
	3/10/2006	9.98		691.82	
	6/13/2006	8.82		692.98	
	9/12/2006	10.95		690.85	
	1/2/2007	5.95		695.85	
	3/29/2007	5.88		695.92	
	9/10/2007	7.80		694.00	
	9/26/2008	12.38		689.42	
	9/23/2009	9.90		691.90	
	9/23/2010	4.90		696.90	
	3/17/2011	4.20		697.60	
	9/22/2011	9.75		692.05	
	9/12/2012	12.62		689.18	
	9/24/2013	10.62		691.18	
	9/18/2014	6.92		694.88	
MW-9	6/18/2002	7.47	701.10	693.63	686.5 - 696.5

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Measured Location	Date	Depth to Groundwater (ft)	Reference Elevation (ft)	Groundwater Elevation (ft)	Screened Interval (ft)
MW-9 (cont.)	9/30/2002	13.62		687.48	
	12/23/2002	13.64		687.46	
	3/31/2003	12.60		688.50	
	4/14/2003	8.98		692.12	
	6/16/2003	8.28		692.82	
	9/23/2003	8.56		692.54	
MW-9R	12/9/2003	9.38	700.67	691.29	683.8 - 693.8
	4/28/2004	9.74		690.93	
	6/29/2004	8.63		692.04	
	9/28/2004	14.10		686.57	
	12/13/2004	10.24		690.43	
	4/18/2005	27.90		672.77	
	6/27/2005	10.15	700.69	690.54	
	9/13/2005	14.31		686.38	
	12/13/2005	11.96		689.08	
	3/10/2006	8.75		691.94	
	6/13/2006	8.63		692.06	
	9/12/2006	14.60		686.09	
	1/2/2007	8.91		691.78	
	3/29/2007	8.10		692.59	
	9/10/2007	7.80		692.89	
	9/26/2008	16.60		684.09	
	9/23/2009	12.18		688.51	
	9/23/2010	9.67		691.02	
	3/17/2011	7.90		692.79	
	9/22/2011	11.10		689.59	
	9/12/2012	14.09		686.60	
	9/24/2013	11.75		688.94	
	9/18/2014	8.56		692.13	
MW-10	6/18/2002	5.51	701.00	695.49	688.7 - 698.7
	9/30/2002	6.51		694.49	
	12/23/2002	7.26		693.74	
	3/31/2003	1.73		699.27	
	6/16/2003	6.15		694.85	
	9/23/2003	5.95		695.05	
	12/9/2003	5.99		695.01	
	4/15/2004	4.38		696.62	
	6/29/2004	5.22	700.90**	695.68	
	9/28/2004	6.17		694.73	
	12/13/2004	5.71		695.19	
	4/18/2005	6.02		694.98	
	6/27/2005	4.95	700.91	695.96	
	9/13/2005	6.00		694.91	
	12/13/2005	6.47		694.44	
	3/9/2006	6.21		694.70	
	6/13/2006	4.22		696.69	

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Groundwater Elevations
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Measured Location	Date	Depth to Groundwater (ft)	Reference Elevation (ft)	Groundwater Elevation (ft)	Screened Interval (ft)
MW-10 (cont.)	9/12/2006	5.84		695.07	
	1/2/2007	4.16		696.75	
	3/29/2007	3.88		697.03	
	9/10/2007	3.20		697.71	
	4/30/2008	2.00		698.91	
	9/26/2008	6.46		694.45	
	4/17/2009	5.12		695.79	
	9/23/2009	5.75		695.16	
	3/29/2010	3.27		697.64	
	9/23/2010	4.66		696.25	
	3/17/2011	5.30		695.61	
	4/11/2011		696.51		
	9/22/2011	5.13		691.38	
	3/21/2012	2.70		693.81	
	9/12/2012	4.02		692.49	
	4/30/2013	1.25		695.26	
	9/24/2013	3.44		693.07	
	5/14/2014	0.89	700.91††	700.02	
	9/18/2014	5.15		695.76	
	4/15/2015	2.10		698.81	
MW-11	6/18/2002	4.00	701.99	697.99	688.4 - 698.4
	9/30/2002	10.79		691.20	
	12/23/2002	9.00		692.99	
	3/31/2003	5.42		696.57	
	4/14/2003	5.07		696.92	
	6/16/2003	4.69		697.30	
	9/23/2003	6.89		695.10	
	12/9/2003	4.69		697.30	
	4/20/2004	4.31		697.68	
	6/30/2004	4.88		697.11	
	9/28/2004	12.55	701.85***	689.30	
	12/13/2004	6.21		695.64	
	3/29/2005	4.22		697.77	
	6/27/2005	5.91	701.94	696.03	
	9/13/2005	10.33		691.61	
	12/14/2005	7.21		694.73	
	3/10/2006	10.02		691.92	
	6/13/2006	9.98		691.96	
	9/12/2006	12.36		689.58	
	1/2/2007	6.41		695.53	
	3/29/2007	6.11		695.83	
	9/10/2007	8.30		693.64	
MW-12	6/18/2002	4.40	700.17	695.77	686.0 - 696.0
	9/30/2002	5.34		694.83	
	12/23/2002	6.01		694.16	
	3/31/2003	3.45		696.72	

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Measured Location	Date	Depth to Groundwater (ft)	Reference Elevation (ft)	Groundwater Elevation (ft)	Screened Interval (ft)
MW-12 (cont.)	6/16/2003	5.08		695.09	
	9/23/2003	4.87		695.30	
	12/9/2003	5.07		695.10	
	4/14/2004	3.97		696.20	
	6/22/2004	4.30		695.87	
	9/28/2004	5.29	699.96***	694.67	
	12/13/2004	4.40		695.56	
	3/30/2005	4.70		695.47	
	6/27/2005	19.12	699.95	680.83	
	9/13/2005	4.90		695.05	
	12/13/2005	6.15		693.8	
	3/9/2006	5.02		694.93	
	6/13/2006	3.13		696.82	
	9/12/2006	5.05		694.90	
	1/2/2007	3.01		696.94	
	3/29/2007	2.96		696.99	
	9/10/2007	2.90		697.05	
	10/1/2007	4.02		695.93	
	4/30/2008	3.05		696.90	
	9/26/2008	5.38		694.57	
	4/17/2009	4.61		695.34	
	9/23/2009	4.89		695.06	
	3/29/2010	2.26		697.69	
	9/23/2010	3.83		696.12	
	3/17/2011	3.40		696.55	
	9/22/2011	4.55		695.40	
	3/21/2012	2.06		697.89	
	9/12/2012	3.65		696.30	
	4/30/2013	0.91		699.04	
	9/24/2013	3.04		696.91	
	5/14/2014	0.30		699.65	
	9/18/2014	4.23		695.72	
	4/15/2015	1.40		698.55	
MW-12[3]	4/22/2015		700.06		
MW-13	6/18/2002	3.47	702.18	698.71	688.4 - 698.4
	9/30/2002	6.60		695.58	
	12/23/2002	8.05		694.13	
	3/31/2003	5.21		696.97	
	4/14/2003	4.25		697.93	
	6/16/2003	4.57		697.61	
	9/23/2003	4.86		697.32	
	12/9/2003	5.49		696.69	
	4/15/2004	5.23		696.95	
	6/23/2004	3.81		698.37	
	9/28/2004	8.37		693.81	
	12/13/2004	4.94		697.24	

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Groundwater Elevations
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Measured Location	Date	Depth to Groundwater (ft)	Reference Elevation (ft)	Groundwater Elevation (ft)	Screened Interval (ft)
MW-13 (cont.)	3/30/2005	4.97		697.21	
	6/27/2005	6.16	702.23	696.07	
	9/15/2005	6.30		695.93	
	12/14/2005	7.25		694.98	
	3/10/2006	5.20		697.03	
	6/13/2006	5.24		696.99	
	9/12/2006	7.15		695.08	
	1/2/2007	4.15		698.08	
	3/29/2007	3.79		698.44	
	9/10/2007	5.00		697.23	
	9/26/2008	12.90		689.33	
	9/23/2009	6.65		695.58	
	9/23/2010	4.22		698.01	
	3/17/2011	3.79		698.44	
	9/22/2011	3.65		698.58	
	9/12/2012	6.61		695.62	
	9/24/2012	5.69		696.54	
	9/18/2014	5.16		697.07	
MW-14	6/18/2002	2.36	699.51	697.15	684.5 - 694.5
	9/30/2002	4.10		695.41	
	12/23/2002	4.81		694.70	
	3/31/2003	2.89		696.62	
	4/14/2003	2.04		697.47	
	6/16/2003	3.00		696.51	
	9/23/2003	3.17		696.34	
	12/9/2003	3.36		696.15	
	4/15/2004	2.54		696.97	
	6/23/2004	2.41		697.10	
	9/28/2004	4.87	699.41***	694.54	
	12/13/2004	2.92		696.49	
	3/30/2005	2.38		697.03	
	6/27/2005	3.30	699.48	696.18	
	9/15/2005	3.90		695.58	
	12/14/2005	4.72		694.76	
	3/10/2006	3.20		696.28	
	6/13/2006	2.51		696.97	
	9/12/2006	3.88		695.60	
	1/2/2007	3.42		696.06	
	3/29/2007	3.29		696.19	
	9/10/2007	2.85		696.63	
	9/26/2008	4.75		694.73	
	9/23/2009	3.72		695.76	
	9/23/2010	2.54		696.94	
	9/22/2011	6.38		693.10	
	9/12/2012	3.51		695.97	
	9/24/2013	2.87		696.61	

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Measured Location	Date	Depth to Groundwater (ft)	Reference Elevation (ft)	Groundwater Elevation (ft)	Screened Interval (ft)
MW-14 (cont.)	9/18/2014	2.71	699.41†	696.77	
MW-15	12/9/2003	2.98	701.06	698.08	687.6 - 697.6
	4/14/2004	2.79		698.27	
	6/22/2004	1.06		700.00	
	9/28/2004	4.37		696.69	
	12/13/2004	3.21		697.85	
	4/18/2005	4.55		696.51	
	6/27/2005	20.52	701.16	680.64	
	9/15/2005	3.05		698.11	
	12/14/2005	5.02		696.95	
	4/7/2006	4.21		696.95	
	6/13/2006	3.81		697.35	
	9/12/2006	3.36		697.80	
	1/2/2007	2.71		698.45	
	3/29/2007	2.43		698.73	
	9/11/2007	2.60		698.56	
	4/30/2008	1.00		700.16	
MW-16	12/9/2003	2.95	699.22	696.27	685.8 - 695.8
	4/14/2004	2.54		696.68	
	6/23/2004	1.76		697.46	
	9/28/2004	4.48		694.74	
	12/13/2004	1.74		697.48	
	4/18/2005	3.17		696.05	
	6/27/2005	2.66	699.37	696.71	
	9/13/2005	3.60		695.77	
	12/14/2005	4.30		695.07	
	3/10/2006	3.01		696.36	
	6/13/2006	2.58		696.79	
	9/12/2006	3.99		695.38	
	1/2/2007	1.05		698.32	
	3/29/2007	1.01		698.36	
	9/10/2007	2.00		697.37	
	4/30/2008	0.80		698.55	
MW-17	12/9/2003	2.97	699.17	696.20	685.7 - 695.7
	6/23/2004	2.01		697.16	
	9/28/2004	6.55		692.62	
	12/13/2004	2.53		696.64	
	3/30/2005	2.05		697.12	
	6/27/2005		699.35		
	9/15/2005	4.13		695.22	
	9/12/2006	5.58		693.77	
	9/10/2007	3.90		695.45	
	4/30/2008	3.40		697.64	
MW-18	12/9/2003	4.51	701.40	696.89	687.9 - 697.9
	4/20/2004	4.30		697.10	
	6/23/2004	3.99		697.41	

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Measured Location	Date	Depth to Groundwater (ft)	Reference Elevation (ft)	Groundwater Elevation (ft)	Screened Interval (ft)
MW-18 (cont.)	9/28/2004	12.46		688.94	
	12/13/2004	6.36		695.04	
	3/29/2005	4.30		697.10	
	6/27/2005		701.47		
	9/13/2005	9.15		692.32	
	9/12/2006	11.70		689.77	
	9/10/2007	7.18		689.77	
	4/30/2008	3.85		689.77	
MW-19	9/26/2008	6.80	701.68	694.88	
	12/12/2008	7.52		694.16	
	4/17/2009	6.33	702.46	696.13	
	9/23/2009	5.17		697.29	
	3/29/2010	4.16		698.30	
	9/23/2010	3.09		699.37	
	3/17/2011	4.86		697.60	
	9/22/2011	4.45		698.01	
	3/21/2012	3.87		698.59	
	9/12/2012	4.95		697.51	
	9/24/2013	4.61		697.85	
	9/18/2014	3.90		698.56	
MW-19[3]	4/22/2015		701.86		
MW-20	4/17/2009		702.87		
	9/23/2010	5.48		697.39	
	3/17/2011	5.39		697.48	
	4/11/2011		695.87		
	9/22/2011	5.69		690.18	
	9/24/2013	8.71		687.16	
	9/18/2014	6.71	WELL DAMAGED	689.16	
MW-20[4]	4/22/2015		702.27		
MW-21	11/19/2013	4.74	702.64	697.90	
	12/19/2013	7.54		695.10	
	1/21/2014	8.62		694.02	
	3/11/2014	9.16		693.48	
	5/14/2014	1.80		700.84	
	7/28/2014	6.50		696.14	
	8/19/2014	5.43		697.21	
	9/18/2014	6.45		696.19	
	9/23/2014	5.97		696.67	
	10/21/2014	6.15		696.49	
	12/18/2014	6.43		696.21	
	4/15/2015	5.97		696.67	
MW-22	11/19/2013	4.28	702.63	698.35	
	12/19/2013	5.38		697.25	
	1/21/2014	7.36		695.27	
	3/11/2014	8.36		694.27	
	5/14/204	1.71		700.92	

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Measured Location	Date	Depth to Groundwater (ft)	Reference Elevation (ft)	Groundwater Elevation (ft)	Screened Interval (ft)
MW-22 (cont.)	7/31/2015	3.78		698.85	
	8/19/2014	3.75		698.88	
	9/18/2014	4.00		698.63	
	9/24/2014	4.00		698.63	
	10/21/2014	4.01		698.62	
	12/18/2014	4.22		698.41	
	4/15/2015	6.38		696.25	
Inj. Well	3/21/2012	3.68		692.19	
	9/12/2012	8.85		687.02	
	4/17/2009		703.20		
P-1A	12/9/2003	19.01	699.63	680.62	670.4 - 675.4
	4/28/2004	19.46		680.17	
	6/29/2004	8.66		690.97	
	9/28/2004	12.48		687.15	
	12/13/2004	10.60		689.03	
	3/29/2005	12.38		687.25	
	6/27/2005		699.98		
	9/13/2005	12.56		687.42	
	9/13/2006	10.40		689.58	
	9/11/2007	6.10		693.88	
P-2A	12/9/2003	30.29	701.51	671.22	668.8 - 673.8
	4/15/2004	9.34		692.17	
	6/22/2004	13.13		688.38	
	9/28/2004	21.39		680.12	
	12/13/2004	19.63		681.88	
	3/30/2005	16.55		684.96	
	6/27/2005		701.54		
	9/13/2005	13.43		688.11	
	9/14/2006	13.60		687.94	
	9/11/2007	13.10		688.44	
	9/26/2008	14.40		687.14	
	9/24/2009	28.92		672.62	
	9/23/2010	27.60		673.94	
	3/17/2011	25.40		676.14	
	9/22/2011	10.65		690.89	
	9/18/2014	9.70	701.04†	691.67	
P-2AR[5]	4/22/2015		701.37		
P-2B	12/9/2003	32.36	701.66	669.30	656.7 - 661.7
	4/15/2004	28.55		673.11	
	6/22/2004	29.70		671.96	
	9/28/2004	31.41		670.25	
	12/13/2004	28.52		673.14	
	3/30/2005	28.22		673.44	
	6/27/2005		701.67		
	9/13/2005	28.50		673.17	
	9/14/2006	28.81		672.86	

Table 1
Groundwater Elevations
Wisconsin Chrome, Kaukauna, Wisconsin
Terracon Project No. 58127047

Measured Location	Date	Depth to Groundwater (ft)	Reference Elevation (ft)	Groundwater Elevation (ft)	Screened Interval (ft)
P-2B (cont.)	9/11/2007	28.95		672.72	
	10/1/2007	29.68		671.99	
	9/26/2008	29.74		671.93	
	12/15/2008	26.36		675.31	
	9/12/2012	27.17		674.50	
	9/24/2013	26.80		674.87	
	9/18/2014	27.00	701.19†	674.19	
P-4	6/18/2002	21.85	702.42	680.57	666.9 - 671.9
	9/30/2002	25.41		677.01	
	12/23/2002	23.14		679.28	
	3/31/2003	30.90		671.52	
	6/16/2003	25.35		677.07	
	9/23/2003	27.83		674.59	
P-4A*	12/9/2003	29.58		672.84	
	4/20/2004	25.89		676.53	
	6/23/2004	30.90		671.52	
	9/28/2004	28.16		674.26	
	12/13/2004	30.66		671.76	
	3/30/2005	28.26		674.16	
P-4A* (cont.)	6/27/2005		702.43		
	9/13/2005	24.80		677.63	
	9/13/2006	22.95		679.48	
	9/10/2007	23.10		679.33	
	9/26/2008	22.66		679.77	
	9/23/2009	21.74		680.69	
	9/23/2010	19.93		682.50	
	3/17/2011	18.10		684.33	
	9/22/2011	20.05		682.38	
	9/12/2012	20.50		681.93	
	9/24/2013	20.11		682.32	
	9/18/2014	20.96		681.47	
P-6A	12/9/2003	dry	701.54	dry	670.0 - 675.0
	4/28/2004	29.70		671.84	
	6/28/2004	25.60		675.94	
	9/28/2004	25.82		675.72	
	12/13/2004	27.48		674.06	
	3/30/2005	26.41		675.13	
	6/27/2005		701.57		
	9/13/2005	25.05		676.52	
	9/13/2006	20.02		681.55	
	9/10/2007	20.20		681.37	
	9/26/2008	26.68		674.89	
	9/23/2009	17.77		683.80	
	9/23/2010	7.20		694.37	
	3/17/2011	15.75		685.82	
	9/22/2011	12.35		689.22	

Table 1
Groundwater Elevations
Wisconsin Chrome, Kaukauna, Wisconsin
Terracon Project No. 58127047

Measured Location	Date	Depth to Groundwater (ft)	Reference Elevation (ft)	Groundwater Elevation (ft)	Screened Interval (ft)
P-6A (cont.)	9/12/2012	14.65		686.92	
	9/24/2013	14.70		686.87	
	9/18/2014	25.18		676.39	
P-6B	12/9/2003	35.39	701.48	666.09	656.8 - 661.8
	4/28/2004	31.94		669.54	
	6/28/2004	32.08		669.40	
	9/28/2004	33.99		667.49	
	12/13/2004	32.60		668.88	
	3/30/2005	31.82	701.52	669.66	
	9/13/2005	32.95		668.57	
	9/13/2006	32.85		668.67	
	9/10/2007	32.85		668.67	
	10/1/2007	34.22		667.30	
	9/26/2008	33.55		667.97	
	9/23/2009	32.50		669.02	
	9/23/2010	30.55		670.97	
	3/17/2011	4.40		697.12	
	9/22/2011	30.60		670.92	
	9/12/2012	30.95		670.57	
	9/24/2013	30.53		670.99	
	9/18/2014	29.91	701.36	671.61	
P-6C	11/19/2013	30.03	701.43	671.40	
	1/21/2014	NM		NM	
	3/10/2014	49.37		652.06	
	7/28/2014	47.54		653.89	
	9/23/2014	48.07		653.36	
P-7A	12/9/2003	31.09	702.62	671.53	670.0 - 675.0
	4/28/2004	17.57		685.05	
	6/28/2004	13.70		688.92	
	9/28/2004	14.27		688.35	
	12/13/2004	13.44		689.18	
	4/18/2005	18.55		684.07	
	6/27/2005	13.12	702.67	689.55	
	9/13/2005	13.52		689.15	
	12/13/2005	11.71		690.96	
	3/9/2006	11.41		691.26	
	6/13/2006	11.16		691.51	
	9/13/2006	13.07		689.60	
	1/2/2007	19.70		682.97	
	3/29/2007	19.51		683.16	
	9/11/2007	12.05		690.62	
	4/30/2008	7.90		694.77	
	9/26/2008	12.45		690.22	
	4/17/2009	27.82		674.85	
	9/23/2009	11.37		691.30	
	3/29/2010	9.37		693.30	

Table 1
Groundwater Elevations
Wisconsin Chrome, Kaukauna, Wisconsin
Terracon Project No. 58127047

Measured Location	Date	Depth to Groundwater (ft)	Reference Elevation (ft)	Groundwater Elevation (ft)	Screened Interval (ft)
P-7A (cont.)	9/23/2010	7.31		695.36	
	3/17/2011	9.80		692.87	
	9/22/2011	8.40		694.27	
	3/21/2012	8.40		694.27	
	9/12/2012	6.56		696.11	
	4/30/2013	28.54		674.13	
	9/24/2013	5.65		697.02	
	5/14/2014	2.80		699.87	
	9/18/2014	2.40		700.27	
	4/15/2015	3.21		699.46	
P-7A[3]	4/22/2015		702.37		
P-7	6/18/2002	29.81	702.95	673.14	657.4 - 662.4
	9/30/2002	30.97		671.98	
	12/23/2002	30.64		672.31	
	3/31/2003	30.83		672.12	
	6/16/2003	31.42		671.53	
	9/23/2003	31.74		671.21	
P-7B	12/9/2003	31.98		670.97	
	4/28/2004	31.35		671.60	
	6/28/2004	31.19		671.76	
	9/28/2004	31.37	702.68***	671.31	
	12/13/2004	31.03		671.65	
	4/18/2005	39.00		663.68	
	6/27/2005	31.35	702.76	671.41	
	9/13/2005	31.60		671.16	
	12/13/2005	30.95		671.81	
P-7B*	3/9/2006	30.40		672.36	
	6/13/2006	30.91		671.85	
	9/13/2006	31.47		671.29	
	1/2/2007	30.85		671.91	
	3/29/2007	30.55		672.21	
	9/11/2007	31.45		671.31	
	4/30/2008	30.35		672.41	
	9/26/2008	31.42		671.34	
	4/17/2009	32.05		670.71	
	9/23/2009	31.30		671.46	
	3/29/2010	30.34		672.42	
	9/23/2010	29.65		673.11	
	3/17/2011	29.17		673.59	
	9/22/2011	29.40		673.36	
	3/21/2012	29.11		673.65	
	9/12/2012	29.35		673.41	
	4/30/2013	28.89		673.87	
	5/14/2014	28.60	702.27†	673.67	
	9/18/2014	28.80		673.47	
	4/15/2015	29.11		673.16	

Table 1
Groundwater Elevations
Wisconsin Chrome, Kaukauna, Wisconsin
Terracon Project No. 58127047

Measured Location	Date	Depth to Groundwater (ft)	Reference Elevation (ft)	Groundwater Elevation (ft)	Screened Interval (ft)
P-7C	12/9/2003	50.91	702.64	651.73	642.4 - 647.4
	4/28/2004	42.24		660.40	
	6/28/2004	42.11		660.53	
	9/28/2004	42.08		660.56	
	12/13/2004	42.21		660.43	
	3/30/2005	dry		dry	
	6/27/2005		702.66		
	9/13/2005	42.61		660.05	
	9/13/2006	42.74		659.92	
	9/11/2007	42.75		659.91	
	9/26/2008	42.54		660.12	
	9/23/2009	42.57		660.09	
	9/23/2010	41.38		661.28	
	3/17/2011	40.51		662.15	
	9/22/2011	40.35		662.31	
	9/12/2012	30.90		671.76	
	9/24/2013	40.70		661.96	
	9/18/2014	18.60		684.06	
P-8	6/18/2002	2.79	701.84	699.05	670.1 - 675.1
	9/30/2002	8.47		693.37	
	12/23/2002	9.03		692.81	
	3/31/2003	9.56		692.28	
	4/14/2003	9.42		692.42	
	6/16/2003	21.72		680.12	
	9/23/2003	16.50		685.34	
P-8A*	12/9/2003	20.68		681.16	
	4/20/2004	11.75		690.09	
	6/30/2004	28.29		673.55	
	9/28/2004	19.30		682.54	
	12/13/2004	23.13		678.71	
	3/29/2005	13.02		688.82	
	6/27/2005		701.85		
	9/12/2006	12.85		689.00	
	9/10/2007	12.65		689.20	
	9/26/2008	12.00		689.85	
	9/23/2009	12.02		689.83	
	9/23/2010	8.88		692.97	
	3/17/2011	20.97		680.88	
	9/22/2011	10.65		691.20	
	9/12/2012	11.02		690.83	
	9/24/2013	11.06		690.79	
	9/18/2014	4.08		697.77	
P-9	6/18/2002	24.42	701.12	676.70	671.4 - 676.4
	9/30/2002	24.44		676.68	
	12/23/2002	24.22		676.90	
	3/31/2003	24.94		676.18	

Table 1 Groundwater Elevations Wisconsin Chrome, Kaukauna, Wisconsin Terracon Project No. 58127047					
Measured Location	**Date**	**Depth to Groundwater (ft)**	**Reference Elevation (ft)**	**Groundwater Elevation (ft)**	**Screened Interval (ft)**
P-9 (cont.)	4/14/2003	24.97		676.15	
	6/16/2003	27.19		673.93	
	9/23/2003	26.94		674.18	
P-9A*	12/9/2003	27.01		674.11	
	4/28/2004	26.08		675.04	
	6/29/2004	26.62		674.50	
	9/28/2004	26.58		674.54	
	12/13/2004	27.61		673.51	
	3/29/2005	25.53		675.59	
	6/27/2005		701.12		
	9/13/2005	26.61		674.51	
	9/12/2006	24.55		676.57	
	9/10/2007	24.30		676.82	
	9/26/2008	24.10		677.02	
	9/23/2009	24.30		676.82	
	9/23/2010	22.45		678.67	
	3/17/2011	20.97		680.15	
	9/22/2011	23.11		678.01	
	9/12/2012	23.21		677.91	
	9/24/2013	23.30		677.82	
	9/18/2014	22.99		678.13	
P-12A	6/18/2002	7.39	700.10	692.71	669.7 - 674.7
	9/30/2002	9.68		690.42	
	12/23/2002	9.40		690.70	
	3/31/2003	17.08		683.02	
	6/16/2003	10.19		689.91	
	9/23/2003	9.47		690.63	
P-12A	12/9/2003	8.85		691.25	
	4/14/2004	8.32		691.78	
	6/22/2004	7.45		692.65	
	9/28/2004	8.12	699.88***	691.76	
	12/13/2004	7.85		692.03	
	3/30/2005	9.18		690.70	
	6/27/2005		699.89		
	9/13/2005	7.60		692.29	
	9/12/2006	6.40		693.49	
	9/10/2007	9.10		690.79	
	9/26/2008	7.52		692.37	
	9/23/2009	5.17		694.72	
	9/23/2010	3.17		696.72	
	3/17/2011	2.81		697.08	
	9/22/2011	4.70		695.19	
	9/12/2012	3.87		696.02	
	9/24/2013	3.31		696.58	
	9/18/2014	4.25		695.64	
P-12A[3]	4/22/2015		699.90		

Table 1
Groundwater Elevations
Wisconsin Chrome, Kaukauna, Wisconsin
Terracon Project No. 58127047

Measured Location	Date	Depth to Groundwater (ft)	Reference Elevation (ft)	Groundwater Elevation (ft)	Screened Interval (ft)
P-15A	12/9/2003	22.71	701.10	678.39	670.1 - 675.1
	4/14/2004	2.28		698.82	
	6/22/2004	21.15		679.95	
	9/28/2004	22.35		678.75	
	12/13/2004	19.16		681.94	
	4/18/2005	16.17		684.93	
	6/27/2005		701.10		
	9/15/2005	14.55		686.55	
	9/12/2006	14.61		686.49	
	9/11/2007	3.12		697.98	
	4/30/2008	7.15		693.66	
P-15B	12/9/2003	31.64	700.79	669.15	656.8 - 661.8
	4/14/2004	24.41		676.38	
	6/22/2004	26.21		674.58	
	9/28/2004	26.11		674.68	
	12/13/2004	25.75		675.04	
	4/18/2005	26.37		674.42	
	6/27/2005		700.81		
	9/15/2005	26.37		674.44	
	9/12/2006	26.55		674.26	
	9/11/2007	25.80		675.01	
	4/30/2008	25.05		674.37	
P-16A	12/9/2003	17.57	699.40	681.83	670.0 - 675.0
	4/14/2004	19.45		679.95	
	6/23/2004	18.51		680.89	
	9/28/2004	20.99		678.41	
	12/13/2004	19.16		680.24	
	4/18/2005	14.78		684.62	
	6/27/2005		699.42		
	9/15/2005	17.87		681.55	
	9/12/2006	10.88		688.54	
	9/10/2007	11.10		688.32	
	4/30/2008	9.55		691.92	
MW-T1	12/9/2003	10.52	702.01	691.49	690.5 - 698.5
	4/20/2004	7.34		694.67	
	6/22/2004	8.55		693.46	
	9/28/2004	Dry		-	
	12/13/2004	9.73		692.28	
	4/18/2005	dry		dry	
	6/27/2005	11.02	701.04	690.02	
	9/13/2005	11.12		689.92	
	12/13/2004	10.75		690.29	
	3/9/2006	10.81		690.23	
	6/13/2006	9.91		691.13	
	9/13/2006	10.66		690.38	
	1/2/2007	Dry			

Table 1
Groundwater Elevations
Wisconsin Chrome, Kaukauna, Wisconsin
Terracon Project No. 58127047

Measured Location	Date	Depth to Groundwater (ft)	Reference Elevation (ft)	Groundwater Elevation (ft)	Screened Interval (ft)
MW-T1 (cont.)	3/29/2007	Dry			
	9/11/2007	6.60		694.44	
	4/30/2008	6.80		694.24	
	9/26/2008	10.90		690.14	
	9/23/2009	6.88		694.16	
	3/29/2010	3.87		697.17	
	9/23/2010	4.96		696.08	
	3/17/2011	2.75		698.29	
	9/22/2011	6.51		694.53	
	3/21/2012	3.10		697.94	
	9/12/2012	6.43		694.61	
	4/30/2013	2.17		698.87	
	9/24/2013	5.64		695.40	
	5/14/2014	0.95		700.09	
	9/18/2014	7.45		693.59	
	4/15/2015	6.67		694.37	
MW-T2	12/9/2003	11.13	702.15	691.02	690.6 - 698.6
	4/20/2004	7.30		694.85	
	6/22/2004	7.51		694.64	
	9/28/2004	11.30		690.85	
	12/13/2004	8.22		693.93	
	4/18/2005	7.51		694.64	
	6/27/2005	11.05	702.16	691.11	
	9/13/2005	11.10		691.06	
	12/13/2005	7.71		694.45	
	3/9/2006	0.00		702.16	
	6/13/2006	10.72		691.44	
	9/13/2006	Dry		Dry	
	1/2/2007	Dry		Dry	
	3/29/2007	Dry		Dry	
	9/11/2007	7.72		694.44	
	4/30/2008	7.00		695.16	
	9/26/2008	11.32		690.84	
	9/23/2009	7.13		695.03	
	3/29/2010	4.56		697.60	
	9/23/2010	6.38		695.78	
	3/17/2011	5.10		697.06	
	9/22/2011	6.36		695.80	
	3/21/2012	3.42		698.74	
	9/12/2012	6.71		695.45	
	4/30/2013	2.66		699.50	
	9/24/2013	6.11		696.05	
	5/14/2014	1.92		700.24	
	9/18/2014	7.65		694.51	
	4/15/2015	6.70		695.46	

Table 1
Groundwater Elevations
Wisconsin Chrome, Kaukauna, Wisconsin
Terracon Project No. 58127047

Measured Location	Date	Depth to Groundwater (ft)	Reference Elevation (ft)	Groundwater Elevation (ft)	Screened Interval (ft)

Notes:
Depth to groundwater is measured from the top of the riser pipe.
Screen elevations estimated based upon depth to bottom of well and an assumed 10-foot screen length for observation wells and 5-foot screen length for piezometers.

NM = Not Measured
[1] - Depth to groundwater in Ex Sump A and Ex Sump B is the approximate depth to groundwater that trips the high float to initiate groundwater extraction.
[#] - PVC elevation for monitoring wells MW-2 and MW-3 re-surveyed 12/16/03.
** - PVC casing was cut down 0.10 feet following the April 2004 water level measurement.
***- PVC casing was cut down following the June 2004 sampling event.
† - PVC casing elevation resurveyed after well repair during summer 2013
†† - MW-10 reference elevation reverted back to previous elevation based on Sump B rim elevation
[2] - MW-5 PVC casing extended above grade and conveted to protop well protection on 4/22/15
[3] - PVC casing cut down and resurveyed on 4/22/15; MW-12 and P-12A each received new flushmount protective cover set in a concrete pad
[4] - MW-20 damaged PVC casing cut down and re-extended on 4/22/15
[5] - P-2A abandoned and replacement well P-2AR constructed on 4/22/15

Created by: Terracon
Edited by: Chris W. Ingram, Terracon 4/17/15
Checked by: Scott A. Hodgson, Terracon 5/7/15

N:\Projects\2012\58127047\Working Files\Tables\[Wis_Chrome_Tables_120621.xls]Table 1

Table 2
Groundwater Analytical Results
Wisconsin Chrome, Kaukauna, Wisconsin / Project #58127047

		Mercury (ug/L)	Cadmium (ug/L)	Chloride (mg/L)	Total Chromium (ug/L)	Hexavalent Chromium (ug/L)	Copper (ug/l)	Iron (ug/l)	Sulfate Dissolved (mg/l)	Sulfide Dissolved (ug/l)	Lead (ug/l)	Nickel (ug/l)	Silver (ug/l)	Zinc (ug/l)	Chloroethane (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Ethylbenzene (ug/L)	Methylene Chloride (ug/L)	Methyl isobutyl ketone (MIBK) (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	Trichloroethene (ug/L)	1,3,5-Trimethylbenzene (ug/L)	Vinyl Chloride (ug/L)	Xylenes (ug/L)	Total VOCs (ug/L)	BOD (mg/L)	Cyanide (mg/L)	Phosphorous, total (mg/L)	Oil & Grease, total (mg/L)	Suspended Solids, total (mg/L)	pH	Conductivity	Manganese (ug/L)	Nitrogen,Nitrate-Dissolved (mg/L)	TOC as NPOC (mg/L)	TOC as NPOC (DOC)-Dissolved (mg/L)
		Metals													Volatile Organic Compounds (VOC)																	Other											
NR 140 PAL		0.5	125	10	10	130	150	125	NE	1.5	20	10	NE	80	0.6	85	0.5	0.7	140	0.5	50	0.5	200	40	0.5	0.5	96	0.02	1,000	NE	NE	40	NE	NE	NE	NE	NE	NE	NE	NE	NE
NR 140 ES		5	250	100	100	1,000	300	250	NE	15	100	50	NE	400	6	850	5	7	700	5	500	5	1,000	200	5	5	480	0.2	10,000	NE	NE	200	NE	NE	NE	NE	NE	NE	NE	NE	NE
HOTV Discharge Limits		300	NE	4,000	NE	9,000	NE			690	4,100	NE	4,200																		NE	1,900	NE	100	NE	5-9				
Sample Location	**Sample Date**	Total Toxic Organics (TTO) < 2.130																																							
B-103	12/20/07	-	-	*130*	***29,000***	**33,000**	-	<50	*600*	-	-	-	-	-	<1.0	-	5	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	<17	-	-	-	-	330	0.43	5.60	6.20
B-102	12/20/07	-	-	*340*	*18*	25	-	<50	*660*	-	-	-	-	-	<1.0	-	5	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	<17	-	-	-	-	460	0.64	15.00	14.00
B-101	12/20/07	-	-	71	**2,300**	**2,700**	-	136	*180*	-	-	-	-	-	<1.0	-	5	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	<17	-	-	-	-	380	1.90	20.00	20.00
MW-1	2/7/97	-	-	-	*11*	-	-	-	-	-	-	-	-	-	<1.0	-	5	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/4/97	-	-	-	*25*	-	-	-	-	-	-	-	-	-	<1.0	-	5	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1/15/98	-	-	-	<10	<10	-	-	-	-	-	-	-	-	<5	<5	<5	<5	<5	<5	<5	-	<5	<5.0	<5	<5	<5	-	<5	<5.0	0	-	-	-	-	-	-	-	-	-	-	-
	2/5/98	-	-	-	<5.0	*34*	-	-	-	-	-	-	-	-	<1.0	<0.5	10	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.2	<1.0	10	-	-	-	-	-	-	-	-	-	-	-
	5/23/98	-	-	-	*12*	*11*	-	-	-	-	-	-	-	-	<0.5	<0.5	6	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.2	<1.0	6	-	-	-	-	-	-	-	-	-	-	-
	8/20/98	-	-	-	<5.0	<10.0	-	-	-	-	-	-	-	-	<0.5	<0.5	5	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.2	<1.0	5	-	-	-	-	-	-	-	-	-	-	-
	7/2/01	-	-	30	2.9	<4.2	-	**1,600**	-	-	-	-	-	-	<0.25	<0.25	6.4	<0.25	<0.25	<0.25	<0.25	-	<0.25	<0.25	<0.25	<0.25	<0.25	<0.1	<0.25	<0.25	6	-	-	-	-	-	-	-	-	-	-	-
	9/6/01	-	-	35	0.64	<4.2	-	**5,800**	-	-	-	-	-	-	<0.25	<0.25	4.8	<0.25	<0.25	<0.25	0.27	<0.25	<0.25	<0.1	<0.25	<0.25	<0.25	<0.1	<0.25	<0.25	5	-	-	-	-	-	-	-	-	-	-	-
	10/30/01	-	-	33	0.25	<4.2	-	**15,000**	-	-	-	-	-	-	<0.25	<0.25	5.2	<0.25	<0.25	<0.25	*0.61*	<0.25	<0.25	<0.1	<0.25	<0.25	<0.25	<0.1	<0.25	<0.25	6	-	-	-	-	-	-	-	-	-	-	-
	11/14/01	-	-	37	9.8	<4.2	-	**62,000**	-	-	-	-	-	-	<0.25	<0.25	6.2	<0.25	*6.2*	<0.25	*0.93*	<0.25	<0.25	<0.1	<0.25	<0.25	<0.25	<0.1	<0.25	<0.25	13	-	-	-	-	-	-	-	-	-	-	-
	4/14/03	-	-	34	*21*	<20	-	**23,000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-	-	-	-
	6/17/03	-	-	35	*35*	<2.6	-	**10,000**	-	-	-	-	-	-	<0.97	<0.37	5.1	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	5	-	-	-	7.00	-	-	-	-	-	-	-
	9/24/03	-	-	31	*18*	<2.6	-	**31,000**	-	-	-	-	-	-	<0.97	<0.37	4.9	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	5	-	-	-	7.00	-	-	-	-	-	-	-
	4/28/04	-	-	30	2.8	<2.7	-	**340**	-	-	-	-	-	-	<0.97	<0.37	4.0	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	4	-	-	-	-	-	-	-	-	-	-	-
MW-1R	2/7/97	-	-	-	**410**	-	-	-	-	-	-	-	-	-	<1.0	-	9	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/4/97	-	-	-	*21*	-	-	-	-	-	-	-	-	-	<1.0	-	13	-	*3*	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1/1/21/97	-	-	-	<5.0	<10	-	-	-	-	-	-	-	-	<2	<2	19	<2	<2	<2	<2	<10	<2	<2.0	<2	<2	<2	<2	<2	<2.0	19	-	-	-	-	-	-	-	-	-	-	-
	2/5/98	-	-	-	<5.0	<10.0	-	-	-	-	-	-	-	-	<1.0	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.2	<1.0	0	-	-	-	-	-	-	-	-	-	-	-
	5/23/98	-	-	-	*1.0*	<10.0	-	-	-	-	-	-	-	-	<1.0	<0.5	11.8	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.2	<1.0	12	-	-	-	-	-	-	-	-	-	-	-
	8/20/98	-	-	-	<5.0	<10.0	-	-	-	-	-	-	-	-	<1.0	<0.5	10	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<0.1	7	<0.5	<0.5	<1.0	<0.2	<1.0	17	-	-	-	-	-	-	-	-	-	-	-
	7/2/01	-	-	25	0.97	<4.2	-	**2,000**	-	-	-	-	-	-	<0.25	<0.25	6	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.1	<0.25	<0.25	<0.25	<0.1	<0.25	<0.25	6	-	-	-	-	-	-	-	-	-	-	-
	9/6/01	-	-	29	1	<4.2	-	**470**	-	-	-	-	-	-	<0.25	<0.25	6	<0.25	<0.25	<0.25	0.37	<0.25	<0.25	<0.1	<0.25	<0.25	<0.25	<0.1	<0.25	<0.25	6	-	-	-	-	-	-	-	-	-	-	-
	10/30/01	-	-	28	0.94	<4.2	-	**43,000**	-	-	-	-	-	-	<0.25	<0.25	4.4	<0.25	<0.25	<0.25	0.36	<0.25	<0.25	<0.1	<0.25	<0.25	<0.25	<0.1	<0.25	<0.25	5	-	-	-	-	-	-	-	-	-	-	-
	11/14/01	-	-	33	<0.5 2	<4.3	-	**110,000**	-	-	-	-	-	-	<0.26	<0.25	5.4	<0.26	*4.9*	<0.25	0.29	<0.25	<0.25	<0.1	<0.25	<0.25	<0.25	<0.1	<0.25	<0.25	11	-	-	-	-	-	-	-	-	-	-	-
	4/1/03	-	-	31	*12*	<20	-	**11,000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-	-	-	-
	6/17/03	-	-	34	*17*	<2.6	-	**13,000**	-	-	-	-	-	-	<0.97	<0.37	2.2	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	2	-	-	-	7.00	-	-	-	-	-	-	-
	9/24/03	-	-	29	**270**	<2.6	-	**200,000**	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	7.00	-	-	-	-	-	-	-
	12/11/03	-	-	27	*52*	<2.6	-	**38,000**	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	7.00	-	-	-	-	-	-	-
	6/29/04	-	-	25	*1.5*	<2.7	-	<17	-	=	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/5/04	-	-	27	<0.52	<2.7	-	<17	-	-	-	-	-	-	<0.97	<0.37	3.6	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	3.6	-	-	-	-	-	-	-	-	-	-	-
	12/27/04	-	-	24	0.71	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/29/05	-	-	23	0.88	<2.7	-	<18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.11	-	-	-	-	-	-	-
	9/14/05	-	-	-	0.73	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/13/06	-	-	-	<1.9	<6.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.78	-	-	-	-	-	-	-	-	-	-	-
	9/11/07	-	-	-	<0.43	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.01	1,046	-	-	-	-	-	-
MW-2	2/7/97	-	-	-	**3,750**	-	-	-	-	-	-	-	-	-	<1.0	-	7	-	<0.5	-	-	-	-	-	*60*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/4/97	-	-	-	**1,200**	-	-	-	-	-	-	-	-	-	3	-	8	-	<0.5	-	-	-	-	-	*72*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1/1/21/97	-	-	-	**469**	**560**	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2.0	33	<2	*4*	<2	<2	<2.0	37	-	-	-	-	-	-	-	-	-	-	-
	2/5/98	-	-	-	**459**	**770**	-	-	-	-	-	-	-	-	<1.0	<0.5	7	<0.5	*2*	<1.0	<0.5	<5.0	<0.5	<1.0	*50*	<0.5	<0.5	<1.0	<0.2	<1.0	59	-	-	-	-	-	-	-	-	-	-	-
	5/22/98	-	-	-	**746**	**724**	-	-	-	-	-	-	-	-	<1.0	<0.5	7.2	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<1.0	36.9	<0.5	<0.5	<1.0	<0.2	<1.0	44	-	-	-	-	-	-	-	-	-	-	-
	8/20/98	-	-	-	**8,080**	**8,080**	-	-	-	-	-	-	-	-	<1.0	<0.5	14	<0.5	*4*	<1.0	<0.5	<5.0	<0.5	<1.0	*67*	<0.5	<0.5	<1.0	<0.2	<1.0	85	-	-	-	-	-	-	-	-	-	-	-
	1/14/99	-	-	-	**5,000**	**5,800**	-	-	-	-	-	-	-	-	<0.25	<0.25	13	<0.25	*4.8*	<0.25	<0.25	<0.25	<0.25	<0.1	*93*	<0.25	<0.25	<0.10	<0.25	<2.5	111	-	-	-	-	-	-	-	-	-	-	-
	2/16/99	-	-	-	**6,400**	**8,000**	-	-	-	-	-	-	-	-	1.6	<0.18	15	<0.20	*6.1*	<0.38	<0.87	<0.14	<0.63	<0.39	*110*	<0.15	<0.49	<0.33	<0.46	<1.1	133	-	-	-	-	-	-	-	-	-	-	-
	1/10/00	-	-	-	**2,900**	**3,300**	-	-	-	-	-	-	-	-	<0.5	<0.5	9.4	<0.5	*3.3*	<0.5	*3.2*	<0.5	<0.5	<0.2	*63*	<0.5	<0.5	*<0.2*	<0.5	<0.5	79	-	-	-	-	-	-	-	-	-	-	-
	7/2/01	-	-	-	**2,600**	**3,000**	-	-	-	-	-	-	-	-	<1	<1	11	<1	*3.7*	<1	*4.6*	<1	<1	<0.4	*50*	<1	<1	<0.4	<1	<1.0	69	-	-	-	-	-	-	-	-	-	-	-
	6/19/02	-	-	13	**3,200**	**620**	-	**62,000**	-	-	-	-	-	-	<0.57	<0.75	1.5	<0.47	<0.85	<0.43	<0.85	<1	<0.57	<0.47	5.9	<0.72	<0.89	<0.52	<0.18	<1.94	7	-	-	-	7.00	-	-	-	-	-	-	-
	12/30/02	-	-	-	**11,000**	**8,500**	-	**59,000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-	-	-
	6/16/03	-	-	17	**11,000**	**10,000**	-	**16,000**	-	-	-	-	-	-	1.6	<0.37	18	<0.36	**11**	<0.54	<0.43	-	<0.45	<0.67	*150*	<0.42	<0.48	<0.83	<0.18	<2.63	181	-	-	-	7.00	-	-	-	-	-	-	-
	9/24/03	-	-	19	**16,000**	**13,000**	-	**20,000**	-	-	-	-	-	-	2.7	<0.37	22	<0.36	**9.0**	<0.54	*1.5*	-	<0.45	<0.67	*140*	<0.42	<0.48	<0.83	<0.18	<2.63	175	-	-	-	7.00	-	-	-	-	-	-	-
	12/9/03	-	-	28	**22,000**	**26,000**	-	**18,000**	-	-	-	-	-	-	3.1	<0.37	30	<0.36	**13**	<0.54	*1.4*	-	<0.45	<0.67	*180*	<0.42	<0.48	<0.83	<0.18	<2.63	228	-	-	-	7.00	-	-	-	-	-	-	-
	4/15/04	-	-	46	**1,900**	**1,900**	-	130	-	-	-	-	-	-	<0.97	<0.37	2.2	<0.36	*0.8*	<0.54	*<0.43*	-	<0.45	<0.67	17	<0.42	<0.48	<0.83	<0.18	<2.63	20	-	-	-	-	-	-	-	-	-	-	-
	6/22/04	-	-	27	*17*	*14*	-	70	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	-	-	-	-	-	-
	10/5/04	-	-	29	**2,700**	**3,600**	-	<17	-	-	-	-	-	-	1.3	<0.37	9.0	<0.36	*3.7*	<0.54	<0.43	-	<0.45	<0.67	*45*	<0.42	<0.48	<0.83	<0.18	<2.63	-	-	-	-	-	-	-	-	-	-	-	-
	10/5/04[1]	-	-	28	**4,200**	**4,000**	-	<17	-	-	-	-	-	-	<0.92	<0.37	7.6	<0.36	*2.4*	<0.54	<0.43	-	<0.45	<0.67	*29*	<0.42	<0.48	<0.83	<0.18	<2.63	39	-	-	-	-	-	-	-	-	-	-	-
	12/15/04	-	-	29	**17,000**	**19,000**	-	<17	-	-	-	-	-	-	4.0	<0.37	27	<0.36	**11**	<0.54	*2.3*	-	<0.45	<0.67	*120*	0.48	<0.48	<0.83	<0.18	<2.63	164.78	-	-	-	-	-	-	-	-	-	-	-
	12/15/04[2]	-	-	28	**18,000**	**18,000**	-	<17	-	-	-	-	-	-	3.8	<0.37	29	<0.36	**12**	<0.54	*2.0*	-	<0.45	<0.67	*130*	0.49	<0.48	<0.83	<0.18	<2.63	177.29	-	-	-	-	-	-	-	-	-	-	-
	12/15/04JF	-	-	-	**19,000**	**19,000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/29/05	-	-	39	**16,000**	**16,000**	-	<17	-	-	-	-	-	-	4.3	<0.37	30	0.37	**9.2**	<0.54	<0.43	-	<0.45	<0.67	*110*	<0.42	<0.48	<0.83	<0.18	<2.63	153.87	-	-	-	-	6.87	-	-	-	-	-	-
	6/28/05	-	-	-	**9,300**	**10,000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.05	-	-	-	-	-	-
	9/14/05	-	-	-	*96*	*98*	-	-	-	-	-	-	-	-	-	-	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	11	1.8	<0.42	<0.48	<0.83	<0.18	<2.63	12.8	-	-	-	-	6.87	-	-	-	-	-	-
	12/22/05	-	-	-	**1,600**	**1,600**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.99	-	-	-	-	-	-
	4/7/06	-	-	-	**8,300**	**12,000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.87	844	-	-	-	-	-
	6/14/06	-	-	-	**4,100**	**4,300**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.89	1,484	-	-	-	-	-
	9/14/06	-	-	-	**4,900**	-	-	-	-	-	-	-	-	-	3.3	<0.37	28	<0.36	**11**	<0.54	*1*	-	<0.45	<0.67	*110*	<0.42	<0.48	<0.83	<0.18	<2.63	153.3	-	-	-	-	7.18	1,217	-	-	-	-	-
	10/20/06	-	-	23	**7,200**	**8,000**	-	<50	*160*	<2.5	-	-	-	-	3.9	<0.37	13	<0.36	**13**	<0.54	*1.2*	-	<0.45	<0.67	*120*	<0.42	<0.48	<0.83	<0.18	<2.63	151.1	-	-	-	-	7.49	1,333	-	-	-	-	-
own August 5, 2010. Transfer pump failed a		-	-	22	**2,300**	**2,900**	-	<50	120	<2.5	-	-	-	-	2.2	<0.37	25	<0.36	**9.3**	<0.54	<0.43	-	<0.45	<0.67	*120*	<0.42	<0.48	<0.83	<0.18	<2.63	156.5	-	-	-	-	7.33	1,300	-	-	-	-	-
	12/11/06	-	-	-	**2,700**	**3,000**	-	<50	*130*	<2.5	-	-	-	-	1.3	<0.37	11	<0.36	*3.4*	<0.54	<0.43	-	<0.45	<0.67	*41*	<0.42	<0.48	<0.83	<0.18	<2.63	56.7	-	-	-	-	-	-	-	-	-	-	-
	1/2/07	-	-	-	**7,700**	**7,000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.15	1,264	-	-	-	-	-
	1/30/07	-	-	-	**4,500**	**4,900**	-	<50	*160*	<2.5	-	-	-	-	3.0	<0.37	23	<0.36	**10**	<0.54	<0.43	-	<0.45	<0.67	*91*	<0.42	<0.48	<0.83	<0.18	<2.63	127	-	-	-	-	-	-	-	-	-	-	-
	2/26/07	-	-	52	**3,300**	**3,800**	-	<50	*180*	<2.5	*1.6*	-	-	-	1.6	**20**	<0.36	*6.3*	<0.54	*0.52*	<0.45	-	<0.67	*52*	<0.42	<0.48	<0.83	<0.18	<2.63	<1.8	80.42	-	-	-	-	6.94	1,575	-	-	-	-	-
	3/29/07	-	-	-	**4,200**	**4,400**	-	<50	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.35	1,193	-	-	-	-	-
	6/15/07	-	-	-	**4,300**	**5,400**	-	<50	*170*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/11/07	-	-	-	**5,400**	**110**	-	-	-	-	-	-	-	-	1.9	<0.37	15	<0.36	*6.4*	<0.54	0.52	-	<0.45	<0.67	*65*	<0.42	<0.48	<0.83	<0.18	<0.83	88.82	-	-	-	-	6.99	1,039	-	-	-	-	-
	09/11/07[3]	-	-	-	**8,200**	**170**	-	-	-	-	-	-	-	-	3.4	<0.37	24	<0.36	***11***	<0.54	0.9	-	<0.45	<0.67	*100*	<0.42	<0.48	<0.83	<0.18	<0.83	139.3	-	-	-	-	6.99	1,039	-	-	-	-	-
	12/21/07	-	-	25	**2,200**	**2,500**	-	<50	*170*	-	-	-	-	-	3.4	<0.37	24	<0.36	***11***	<0.54	0.9	-	<0.45	<0.67	*100*	<0.42	<0.48	<0.83	<0.18	<0.83	139.3	-	-	< 0.17	-	6.99	1,039	170	< 0.085	5.000	3.600
	4/30/08	-	-	-	**9,700**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/26/08	-	-	-	**8,970**	-	-	-	-	-	-	-	-	-	3.1	<1.3	25.9	<0.36	**12**	<0.54	1	-	<0.45	<0.67	*116*	<0.42	<0.48	<0.83	<0.18	<2.63	158	-	-	-	-	7.08	1467	-	-	-	-	-
	12/15/08	-	-	18.3	**8,130**	**6,300**	-	32.7	-	169.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.68	-	-	-	64	< 0.085	5.20	8.50
MW-2 (cont.)	**4/17/09**	-	-	-	**8,640**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/24/09 [4,J]	-	-	-	**3,200**	-	-	-	-	-	-	-	-	-	3.0	<0.20	31	<0.50	**11**	<0.50	<1.0	-	<0.50	<0.50	*110*	0.35	<0.20	<0.20	<0.20	<0.50	155.35	-	-	-	-	7.10	1,310	-	-	-	-	-
	3/29/10	-	-	-	**3,200**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	1,215	-	-	-	-	-
	9/23/10	-	-	-	<10	-	-	-	-	-	-	-	-	-	<1.0	<0.20	<0.50	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.50	-	-	-	-	6.89	1,170	-	-	-	-	-
	3/17/2011[4,P]	-	-	-	**3,470**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.47	1,460	-	-	-	-	-
	9/22/2011[4,N]	-	-	-	**3,200**	-	-	-	-	-	-	-	-	-	1.6	<0.20	21	<0.50	**12**	<0.50	<1.0	-	<0.50	<0.50	*110*	0.50	<0.20	<0.20	<0.20	<0.50	145.10	-	-	-	-	7.32	1,250	-	-	-	-	-
	3/21/12	-	-	-	**2,500**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.75	1,280	-	-	-	-	-
	9/13/12	-	-	-	**2.29**	-	-	-	-	-	-	-	-	-	<0.97	<1.3	5.8	<0.36	*2.7*	<0.54	<0.43	-	<0.45	<0.67	17.8	<0.42	<0.48	<0.83	<0.18	<2.63	26.30	-	-	-	-	7.75	1,280	-	-	-	-	-
	4/30/13	-	-	-	**485**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.61	1,070	-	-	-	-	-
	9/24/13	-	-	-	*64.0*	-	-	-	-	-	-	-	-	-	2.7	<0.69	44.1	<0.48	*6.2*	<0.50	<0.36	-	<0.47	<0.44	27.9	<0.39	<0.36	<0.50	<0.18	<1.32	144.9	-	-	-	-	7.61	1,070	-	-	-	-	-
	5/14/14	-	-	-	**128**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.59	3,660	-	-	-	-	-

Table 2
Groundwater Analytical Results
Wisconsin Chrome, Kaukauna, Wisconsin / Project #58127047

		Mercury (ug/L)	Cadmium (ug/L)	Chloride (mg/L)	Total Chromium (ug/L)	Hexavalent Chromium (ug/L)	Copper (ug/l)	Iron (ug/l)	Sulfate Dissolved (mg/l)	Sulfide Dissolved (ug/l)	Lead (ug/l)	Nickel (ug/l)	Silver (ug/l)	Zinc (ug/l)	Chloroethane (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Ethylbenzene (ug/L)	Methylene Chloride (ug/L)	Methyl isobutyl ketone (MIBK) (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	Trichloroethene (ug/L)	1,3,5-Trimethylbenzene (ug/L)	Vinyl Chloride (ug/L)	Xylenes (ug/L)	Total VOCs (ug/L)	BOD (mg/L)	Cyanide (mg/L)	Phosphorous, total (mg/L)	Oil & Grease, total (mg/L)	Suspended Solids, total (mg/L)	pH	Conductivity	Manganese (ug/L)	Nitrogen,Nitrate-Dissolved (mg/L)	TOC as NPOC (mg/L)	TOC as NPOC (DOC)-Dissolved (mg/L)
		Metals													Volatile Organic Compounds (VOC)																	Other											
NR 140 PAL		0.5	125	10	10	130	150	125	NE	1.5	20	10	NE	80	0.6	85	0.5	0.7	140	0.5	50	0.5	200	40	0.5	0.5	96	0.02	1,000	NE	NE	40	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
NR 140 ES		5	250	100	100	1,000	300	250	NE	15	100	50	NE	400	6	850	5	7	700	5	500	5	1,000	200	5	5	480	0.2	10,000	NE	NE	200	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
HOTV Discharge Limits		300	NE	4,000	NE	4,000	NE				690	4,100	NE	4,200	Total Toxic Organics (TTO) < 2.130																	NE	1,900	NE	100	NE	5-9					
Sample Location	**Sample Date**																																									
	9/19/14	-	-	-	1,240	-	-	-	-	-	-	-	-	-	<0.37	<2.5	26.7	<0.17	12.5	<0.50	0.47	-	<0.50	<0.50	82.4	0.26	<0.33	<0.50	<0.18	<1.5	122.3	-	-	-	-	-	6.26	1,360	-	-	-	-
	4/15/15	-	-	-	1,740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.81	5,560	-	-	-	-
MW-3	2/7/97	-	-	-	2,740	-	-	-	-	-	-	-	-	-	<1.0	-	3	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/4/97	-	-	-	409	-	-	-	-	-	-	-	-	-	<1.0	-	3	-	<0.5	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/21/97	-	-	-	*81*	*68*	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2.0	6	<2	<2	<2	<2	<2.0	6	-	-	-	-	-	-	-	-	-	-	-
	11/21/97	-	-	-	*82*	*80*	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2.0	6	<2	<2	<2	<2	<2.0	6	-	-	-	-	-	-	-	-	-	-	-
	2/5/98	-	-	-	223	198	-	-	-	-	-	-	-	-	<1.0	<0.5	4	<0.5	<0.5	<1.0	<0.5	<5.0	*4*	<1.0	5	<0.5	<0.5	<1.0	<0.2	<1.0	13	-	-	-	-	-	-	-	-	-	-	-
	5/22/98	-	-	-	510	242	-	-	-	-	-	-	-	-	<1.0	<0.5	2.9	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<1.0	4.8	<0.5	<0.5	<1.0	<0.2	<1.0	8	-	-	-	-	-	-	-	-	-	-	-
	8/20/98	-	-	-	*54*	*92*	-	-	-	-	-	-	-	-	<1.0	<0.5	2	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.2	<1.0	2	-	-	-	-	-	-	-	-	-	-	-
	1/14/99	-	-	-	530	440	-	-	-	-	-	-	-	-	<0.25	<0.25	2.9	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.1	5.9	<0.25	<0.25	<0.10	<0.25	<0.25	9	-	-	-	-	-	-	-	-	-	-	-
	2/16/99	-	-	-	190	240	-	-	-	-	-	-	-	-	<1.2	<0.18	2.8	<0.20	<0.73	<0.38	<0.87	<0.14	<0.63	<0.39	5	<0.15	<0.49	<0.33	<0.46	<1.1	8	-	-	-	-	-	-	-	-	-	-	-
	1/10/00	-	-	-	170	220	-	-	-	-	-	-	-	-	<0.25	<0.25	3	<0.25	0.66	<0.25	<0.25	<0.25	<0.25	<0.1	7.2	<0.25	<0.25	<0.1	<0.25	<0.25	11	-	-	-	-	-	-	-	-	-	-	-
	7/2/01	-	-	-	170	150	-	-	-	-	-	-	-	-	<0.25	<0.25	1.6	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.1	2.9	<0.25	<0.25	<0.1	<0.25	<0.25	4.5	-	-	-	-	-	-	-	-	-	-	-
	9/20/01	-	-	<5	*54*	*53*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/4/01	-	-	<5	*66*	*63*	-	1,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/15/01	-	-	<5	160	*53*	-	1,800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/29/01	-	-	6	7,500	*71*	-	190,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/14/01	-	-	<5	14,000	*85*	-	350,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/19/02	-	-	3.8	13,000	*55*	-	400,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/30/02	-	-	-	15,000	<20	-	390,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	6/17/03	-	-	8.1	4,500	<2.6	-	120,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	9/24/03	-	-	10	1,300	<2.6	-	56,000	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	0.93	<0.42	<0.48	<0.83	<0.18	<2.63	1	-	-	-	-	-	7.00	-	-	-	-	-
	12/10/03	-	-	5.5	3,100	<2.6	-	94,000	-	-	-	-	-	-	<0.97	<0.37	0.76	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	1.0	<0.42	<0.48	<0.83	<0.18	<2.63	1.76	-	-	-	-	-	7.00	-	-	-	-	-
	4/15/04	-	-	5.8	9.7	*4*	-	*220*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/22/04	-	-	3.2	*36*	*35*	-	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/7/04	-	-	11	6.9	*4*	-	<17	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.81	<0.18	<2.63	0	-	-	-	-	-	-	-	-	-	-	-
	12/15/04	-	-	3.9	*18*	*18*	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/15/04UF	-	-	-	*44*	*22*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/30/05	-	-	22	*83*	*96*	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.26	-	-	-	-	-
	6/28/05	-	-	-	2.5	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.40	-	-	-	-	-
	9/14/05	-	-	-	1.1	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.77	-	-	-	-	-
	12/14/05	-	-	-	*2*	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.34	-	-	-	-	-
	3/10/06	-	-	-	<1.3	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.42	829	-	-	-	-
	6/14/06	-	-	-	0.88	<6.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.43	804	-	-	-	-
	9/12/06	-	-	-	1.7	<6.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.35	770	-	-	-	-
	10/20/06	-	-	1.6	7.2	<6.8	-	<50	54	<2.5	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	6.25	655	-	-	-	-
	11/20/06	-	-	4.5	3.6	<6.8	-	<50	75	<2.5	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	7.36	750	-	-	-	-
	12/8/06	-	-	-	<1.9	<6.8	-	<50	78	<2.5	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.75	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	7.21	896	-	-	-	-
	1/2/07	-	-	-	*2.9*	<6.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.56	830	-	-	-	-
	1/30/07	-	-	-	2.1	<6.8	-	<50	79	<2.5	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.75	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	-	-	-	-	-	-
	3/29/07	-	-	-	*31*	*26*	-	<50	*47*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.28	570	-	-	-	-
	6/6/07	-	-	-	*20*	*14*	-	<50	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/11/07	-	-	-	*8.8*	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.24	665	-	-	-	-
	9/26/08	-	-	-	*36.30*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.17	577	-	-	-	-
	12/12/08	-	-	4.2	*21.8*	11	-	442.0	-	58.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<.17	-	-	-	-	61.80	0.160	-	3.60
	4/8/09	-	-	3.1	*38.1*	<38	-	12.3	34.8	<2.3	-	-	-	-	<0.97	<1.3	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<1.8	0	-	-	-	-	-	<.17	-	-	-	0.97	0.78	-	<1.4
	4/27/09	-	-	3.6	*43.6*	*49*	-	43.4	31.0	<2.3	-	-	-	-	<0.97	<1.3	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<1.8	0	-	-	-	-	-	<.17	-	-	-	32.10	1.4	2.5	<1.4
	5/21/09	-	-	3.3	*53.3*	*55*	-	36.2	30.3	<1.7	-	-	-	-	<0.97	<1.3	<0.75	<0.36	*1.3*	<0.54	<0.43	-	<0.45	<0.67	8.8	<0.42	<0.48	<0.83	<0.18	<1.8	8.1	-	-	-	-	-	<0.25	-	-	-	15.4	1.7	<1.4	<1.4
	6/18/09	-	-	3.1	*65.3*	*56*	-	*7.9*	26.6	<1.7	-	-	-	-	<0.97	<1.3	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<1.8	0	-	-	-	-	-	<0.25	-	-	-	0.53	1.8	<1.4	<1.4
	7/15/09	-	-	3.2	*74.1*	*86*	-	5.5	29.4	<1.7	-	-	-	-	<0.97	<1.3	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<1.8	0	-	-	-	-	-	<0.25	-	-	-	0.29	1.7	<1.4	<1.4
	9/23/09	-	-	-	*88*	-	-	-	-	-	-	-	-	-	<1.0	<0.20	<0.50	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.50	-	-	-	-	-	6.8	495	-	-	-	-
	9/22/11	-	-	-	*29*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.67	410	-	-	-	-
	9/13/12	-	-	-	*17.3*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.67	410	-	-	-	-
	9/24/13	-	-	-	*45.7*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.67	410	-	-	-	-
	9/19/14	-	-	-	*29.2*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.48	439	-	-	-	-
MW-4	2/7/97	-	-	-	5,390	-	-	-	-	-	-	-	-	-	<1.0	-	34	-	7	-	-	-	-	-	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/4/97	-	-	-	6,030	-	-	-	-	-	-	-	-	-	*4*	-	48	-	10	-	-	-	-	-	*54*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/21/97	-	-	-	8,400	10,900	-	-	-	-	-	-	-	-	<2	<2	72	<2	<2	<2	<2	<10	<2	<2.0	*108*	<2	<2	<2	<2	<2.0	180	-	-	-	-	-	-	-	-	-	-	-
	2/5/98	-	-	-	2,340	2,570	-	-	-	-	-	-	-	-	<10.0	<5.0	20	<5.0	<5.0	<10.0	<5.0	<50.0	110	<10	*50*	<5.0	17	<10.0	<2.0	<10	197	-	-	-	-	-	-	-	-	-	-	-
	5/22/98	-	-	-	9,040	8,230	-	-	-	-	-	-	-	-	8.2	<0.5	60.2	<0.5	17.9	<1.0	<0.5	<5.0	<0.5	<1.0	*74.9*	<0.5	<0.5	<1.0	<0.2	<1.0	161	-	-	-	-	-	-	-	-	-	-	-
	5/22/98	-	-	-	9,140	8,680	-	-	-	-	-	-	-	-	<1.0	<0.5	61	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<1.0	*74.1*	<0.5	<0.5	<1.0	<0.2	<1.0	135	-	-	-	-	-	-	-	-	-	-	-
	8/20/98	-	-	-	8,900	8,900	-	-	-	-	-	-	-	-	6	<0.5	50	<0.5	11	<1.0	<0.5	<5.0	<0.5	<1.0	*44*	<0.5	<0.5	<1.0	<0.2	<1.0	111	-	-	-	-	-	-	-	-	-	-	-
	8/20/98	-	-	-	8,380	8,380	-	-	-	-	-	-	-	-	4	<0.5	30	<0.5	8	<1.0	<0.5	<5.0	<0.5	<1.0	30	<0.5	<0.5	<1.0	<0.2	<1.0	72	-	-	-	-	-	-	-	-	-	-	-
	1/18/99	-	-	-	1,900	2,300	-	-	-	-	-	-	-	-	<0.25	<0.25	22	<0.25	*6.7*	<0.25	<0.25	<0.25	<0.25	<0.1	*45*	0.31	<0.25	<0.1	<0.25	<0.25	74	-	-	-	-	-	-	-	-	-	-	-
	1/18/99	-	-	-	1,700	1,900	-	-	-	-	-	-	-	-	<0.25	<0.25	23	<0.25	7.8	<0.25	<0.25	<0.25	<0.25	<0.1	*51*	0.32	<0.25	<0.1	<0.25	<0.25	82	-	-	-	-	-	-	-	-	-	-	-
	2/17/99	-	-	64	3,000	3,500	-	<24	-	-	-	-	-	-	1.3	<0.25	24	<0.25	7.6	<0.25	<0.25	<0.25	<0.25	<0.1	38	<0.25	<0.25	<0.1	<0.25	<0.25	71	-	-	-	-	-	-	-	-	-	-	-
	1/10/00	-	-	-	2,000	1,900	-	-	-	-	-	-	-	-	*1.4*	<0.25	19	<0.25	*5.7*	<0.25	<0.25	<0.25	<0.25	<0.1	35	<0.25	<0.25	<0.1	<0.25	<0.25	61	-	-	-	-	-	-	-	-	-	-	-
	7/2/01	-	-	-	920	1,800	-	-	-	-	-	-	-	-	1	<0.25	33	0.34	30	<0.25	<0.25	<0.25	<0.25	<0.1	*110*	*0.52*	<0.25	<0.1	<0.25	<0.25	175	-	-	-	-	-	-	-	-	-	-	-
	7/2/01	-	-	-	1,000	1,700	-	-	-	-	-	-	-	-	*1.2*	<0.25	30	0.37	23	<0.25	<0.25	<0.25	<0.25	<0.1	*91*	0.48	<0.25	<0.1	<0.25	<0.25	146	-	-	-	-	-	-	-	-	-	-	-
	9/19/01	-	-	37	3,700	4,700	-	3,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/4/01	-	-	52	2,500	3,000	-	75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/15/01	-	-	32	3,000	3,600	-	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/29/01	-	-	27	3,700	2,400	-	59,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/14/01	-	-	28	5,200	2,000	-	130,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/14/01[1]	-	-	29	3,800	2,000	-	73,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/19/02	-	-	38	1,700	530	-	74,000	-	-	-	-	-	-	<0.57	<0.75	29	<0.47	17	<0.43	<0.85	-	<0.57	<0.57	*120*	<0.72	<0.89	<0.52	<0.18	<1.94	166	-	-	-	-	-	-	-	-	-	-	-	-
	12/30/02	-	-	-	1,600	230	-	50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	6/17/03	-	-	31	520	100	-	31,000	-	-	-	-	-	-	<0.97	<0.37	12	<0.36	*5.6*	<0.54	<0.43	-	<0.45	<0.67	*58*	<0.42	<0.48	<0.83	<0.18	<2.63	76	-	-	-	-	-	7.00	-	-	-	-	-
	9/24/03	-	-	23	940	*92*	-	57,000	-	-	-	-	-	-	<0.97	<0.37	8.8	<0.36	*5.0*	<0.54	<0.43	-	<0.45	<0.67	*43*	<0.42	<0.48	<0.83	<0.18	<2.63	57	-	-	-	-	-	7.00	-	-	-	-	-
	12/11/03	-	-	26	330	110	-	25,000	-	-	-	-	-	-	<0.97	<0.37	12	<0.36	7.1	<0.54	<0.43	-	<0.45	<0.67	*69*	<0.42	<0.48	<0.83	<0.18	<2.63	88	-	-	-	-	-	7.00	-	-	-	-	-
	4/20/04	-	-	26	*73*	*9*	-	*<32*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/23/04	-	-	23	*56*	*52*	-	*150*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/12/04	-	-	25	*36*	*38*	-	<17	-	-	-	-	-	-	<0.24	<0.37	4.6	<0.36	*1.8*	<0.54	<0.43	-	<0.45	<0.67	21	<0.42	<0.48	<0.83	<0.18	<2.63	27.4	-	-	-	-	-	-	-	-	-	-	-	-
MW-4 (cont.)	12/28/04	-	-	21	*66*	*73*	-	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29.8	-	-	-	-	-	-	-	-	-	-	-
	3/30/05	-	-	22	*83*	*96*	-	<17	-	-	-	-	-	-	<0.97	<0.37	5.5	<0.36	*3.8*	<0.54	<0.43	-	<0.45	<0.67	36	<0.42	<0.48	<0.83	<0.18	<2.63	45.3	-	-	-	-	-	6.90	-	-	-	-	-
	6/28/05	-	-	-	*85*	*85*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.75	-	-	-	-	-
	9/14/05	-	-	-	*80*	*76*	-	-	-	-	-	-	-	-	<0.97	<0.37	3.3	<0.36	*2.5*	<0.54	<0.43	-	<0.45	<0.67	24	<0.42	<0.48	<0.83	<0.18	<2.63	29.8	-	-	-	-	-	7.06	-	-	-	-	-
	12/14/05	-	-	-	*68*	*81*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.26	-	-	-	-	-
	3/10/06	-	-	-	*64*	*85*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.18	1,142	-	-	-	-
	6/14/06	-	-	-	*40*	*47*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.91	793	-	-	-	-
	9/13/06	-	-	-	*39*	*35*	-	-	-	-	-	-	-	-	<0.97	<0.37	3.8	<0.36	*2.5*	<0.54	<0.43	-	<0.45	<0.67	27	<0.42	<0.48	<0.83	<0.18	<2.63	33.3	-	-	-	-	-	7.58	1,114	-	-	-	-
	10/20/06	-	-	19	*60*	*67*	-	<50	110	<2.5	-	-	-	-	<0.97	<0.37	3.7	<0.56	*3.4*	<0.54	<0.43	-	<0.45	<0.67	*41*	<0.42	<0.48	<0.83	<0.18	<2.63	48.10	-	-	-	-	-	6.74	1,003	-	-	-	-

Table 2
Groundwater Analytical Results
Wisconsin Chrome, Kaukauna, Wisconsin / Project #58127047

		Mercury (ug/L)	Cadmium (ug/L)	Chloride (mg/L)	Total Chromium (ug/L)	Hexavalent Chromium (ug/L)	Copper (ug/l)	Iron (ug/l)	Sulfate Dissolved (mg/l)	Sulfide Dissolved (ug/l)	Lead (ug/l)	Nickel (ug/l)	Silver (ug/l)	Zinc (ug/l)	Chloroethane (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Ethylbenzene (ug/L)	Methylene Chloride (ug/L)	Methyl isobutyl ketone (MIBK) (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	Trichloroethene (ug/L)	1,3,5-Trimethylbenzene (ug/L)	Vinyl Chloride (ug/L)	Xylenes (ug/L)	Total VOCs (ug/L)	BOD (mg/L)	Cyanide (mg/L)	Phosphorous, total (mg/L)	Oil & Grease, total (mg/L)	Suspended Solids, total (mg/L)	pH	Conductivity	Manganese (ug/L)	Nitrogen,Nitrate-Dissolved (mg/L)	TOC as NPOC (mg/L)	TOC as NPOC (DOC)-Dissolved (mg/L)
		Metals													Volatile Organic Compounds (VOC)																	Other											
NR 140 PAL		0.5	125	10	10	130	150	125	NE	1.5	20	10	NE	80	0.6	85	0.5	0.7	140	0.5	50	0.5	200	40	0.5	0.5	96	0.02	1,000	NE	NE	40	NE	NE	NE	NE	NE	NE	NE	NE	NE
NR 140 ES		5	250	100	100	1,300	300	250	NE	15	100	4,100	50	NE	400	6	850	5	7	700	5	500	5	1,000	200	5	5	480	0.2	10,000	NE	NE	200	NE	NE	NE	NE	NE	NE	NE	NE	NE
HOTV Discharge Limits		300	NE	4,000	NE	4,000	NE			690	4,100	NE	4,200										Total Toxic Organics (TTO) < 2.130								NE	1,900	NE	100	NE	5-9					
Sample Location	**Sample Date**																																									
	11/20/06	-	-	23	*28*	*29*	-	<50	100	<2.5	-	-	-	-	<0.97	<0.37	1.9	<0.36	*0.83*	<0.54	<0.43	-	<0.45	<0.67	15	<0.42	<0.48	<0.83	<0.18	<2.63	17.73	-	-	-	-	-	7.12	660	-	-	-	-
	12/8/06	-	-	-	*52*	*48*	-	<50	110	<2.5	-	-	-	-	<0.97	<0.37	2.6	<0.56	*1.6*	<0.54	<0.43	-	<0.45	<0.67	27	<0.42	<0.48	<0.83	<0.18	<2.63	31.2	-	-	-	-	-	7.12	1,159	-	-	-	-
	1/2/07	-	-	-	*63*	*62*	-	-	-	-	-	-	-	-	<0.97	<0.37	1.7	<0.36	*1.5*	<0.54	<0.43	-	<0.54	<0.67	25	<0.42	<0.48	<0.83	<0.18	<2.63	28.2	-	-	-	-	-	6.93	1,045	-	-	-	-
	1/30/07	-	-	-	*63*	*68*	-	<50	*140*	<2.5	-	-	-	-	<0.97	<0.37	2.1	<0.36	*1.5*	<0.54	<0.43	-	<0.54	<0.67	30	<0.42	<0.48	<0.83	<0.18	<2.63	33.6	-	-	-	-	-	-	-	-	-	-	-
	2/26/07	-	-	2.7	*70*	*67*	-	<50	*130*	<2.5	-	-	-	-	<0.97	<0.37	1.8	<0.36	*1.4*	<0.54	<0.43	-	<0.45	<0.67	*24*	<0.42	<0.48	<0.83	<0.18	<2.83	*27.2*	-	-	-	-	-	7.04	-	-	-	-	-
	3/29/07	-	-	-	*57*	*53*	-	<50	*140*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.17	1,047	-	-	-	-
	6/6/07	-	-	-	*53*	*51*	-	<50	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/10/07	-	-	-	*47*	*48*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.64	991	-	-	-	-
	9/26/08	-	-	-	*47*	-	-	-	-	-	-	-	-	-	<0.97	<1.3	1.7	<0.36	0.69	<0.54	<0.43	-	<0.45	<0.67	10.5	<0.42	<0.48	<0.83	<0.18	<2.63	12.89	-	-	-	-	-	6.91	1353	-	-	-	-
	12/8/08	-	-	34	*35*	*32*	-	39.1	-	1.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<17	-	-	-	4.70	< 0.085	-	1.50
	9/23/09	-	-	-	380	-	-	-	-	-	-	-	-	-	<1.0	<0.20	15	<0.50	11	<0.50	<1.0	-	<0.50	<0.50	*71*	<0.25	<0.20	<0.20	<0.20	<0.50	97	-	-	-	-	-	7.1	1,150	-	-	-	-
	9/2 3/10 [X]	-	-	-	160	-	-	-	-	-	-	-	-	-	<1.0	0.22	53	<0.50	46	<0.50	<1.0	-	<0.50	<0.50	230	0.49	0.30	<0.20	<0.20	<0.50	330	-	-	-	-	-	7.58	1,110	-	-	-	-
	9/2 2/2011 [QC]	-	-	-	240	-	-	-	-	-	-	-	-	-	<1.0	<0.20	15	<0.50	13	<0.50	<1.0	-	<0.50	<0.50	*93*	0.27	0.23	<0.20	<0.20	<0.50	122	-	-	-	-	-	7.25	890	-	-	-	-
	9/1 3/2012 [QC]	-	-	-	246	-	-	-	-	-	-	-	-	-	<0.97	<1.3	9.6	<0.36	*6.6*	<0.54	<0.43	-	<0.45	<0.67	*6.9.8*	<0.42	<0.48	<0.83	<0.18	<2.63	76	-	-	-	-	-	7.25	890	-	-	-	-
	9/2 5/2013 [QC]	-	-	-	186	-	-	-	-	-	-	-	-	-	0.74	<0.69	*24.6*	<0.48	15.9	<0.50	<0.36	-	<0.47	<0.44	*104*	<0.39	<0.36	<0.50	<0.18	<1.0	145.24	-	-	-	-	-	7.25	890	-	-	-	-
	9/1/9/14	-	-	-	*64.9*	-	-	-	-	-	-	-	-	-	*<0.37*	<2.5	13.8	<0.17	10.2	<0.50	<0.23	-	<0.50	<0.50	*4.7.6*	<0.16	<0.33	<0.50	<0.18	<1.5	71.6	-	-	-	-	-	11.14	820	-	-	-	-
MW-5	2/7/97	-	-	-	410	-	-	-	-	-	-	-	-	-	<1.0	-	<1.0	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/4/97	-	-	-	*14*	-	-	-	-	-	-	-	-	-	<1.0	-	<1.0	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/21/97	-	-	-	<5.0	<10	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<10	<2	<2.0	<2	<2.0	<2	<2	<2	<2	<2.0	0	-	-	-	-	-	-	-	-	-	-	-	-
	2/5/98	-	-	-	<5.0	<10.0	-	-	-	-	-	-	-	-	<1.0	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.2	<1.0	0	-	-	-	-	-	-	-	-	-	-	-
	2/5/98	-	-	-	<5.0	<10.0	-	-	-	-	-	-	-	-	<1.0	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.2	<1.0	0	-	-	-	-	-	-	-	-	-	-	-
	5/22/98	-	-	-	<5.0	<10.0	-	-	-	-	-	-	-	-	<1.0	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.2	<1.0	0	-	-	-	-	-	-	-	-	-	-	-
	8/19/98	-	-	-	<5.0	<10.0	-	-	-	-	-	-	-	-	<1.0	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.2	<1.0	0	-	-	-	-	-	-	-	-	-	-	-
	7/2/01	-	-	-	1.6	<4.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/14/03	-	-	12	110	<20	-	110,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	6/17/03	-	-	9.7	250	<2.6	-	170,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	9/24/03	-	-	10	120	3.5	-	100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	12/10/03	-	-	10	210	<2.6	-	170,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	12/10/03 [3]	-	-	12	160	<2.6	-	130,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/15/04	-	-	11	4.8	<2.7	-	310,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/22/04	-	-	11	3.5	<2.7	-	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/5/04	-	-	11	*1.4*	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/15/04	-	-	11	1.8	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/15/04UF	-	-	-	*13*	<2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/30/05	-	-	11	0.86	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.90	-	-	-	-	-
	9/14/04	-	-	-	0.98	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.60	-	-	-	-	-
	9/12/06	-	-	-	1.5	<6.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.89	-	-	-	-	-
	9/10/07	-	-	-	1.6	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.10	1,083	-	-	-	-
MW-6	2/7/97	-	-	-	4,370	-	-	-	-	-	-	-	-	-	<1.0	-	42	-	55	-	-	-	-	-	610	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/4/97	-	-	-	5,420	-	-	-	-	-	-	-	-	-	<1.0	-	55	-	79	-	-	-	-	-	720	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/4/97	-	-	-	5,570	-	-	-	-	-	-	-	-	-	<1.0	-	53	-	73	-	-	-	-	-	697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/21/97	-	-	-	3,910	4,660	-	-	-	-	-	-	-	-	<2	<2	54	<2	82	<2	<2	<10	<2	<2.0	697	<2	*2*	<2	<2	<2.0	835	-	-	-	-	-	-	-	-	-	-	-	-
	5/22/98	-	-	-	3,000	2,890	-	-	-	-	-	-	-	-	<1.0	<0.5	36.2	<0.5	51.5	<1.0	<0.5	<5.0	<0.5	<1.0	509	<0.5	<0.5	<1.0	<0.2	<1.0	597	-	-	-	-	-	-	-	-	-	-	-	-
	8/20/98	-	-	-	4,200	498	-	-	-	-	-	-	-	-	2.1	<0.5	40	28	57	<1.0	<0.5	<5.0	<0.5	<1.0	409	<0.5	<0.5	<1.0	<0.2	<1.0	536	-	-	-	-	-	-	-	-	-	-	-	-
	1/14/99	-	-	-	1,900	5,300	-	-	-	-	-	-	-	-	<2.5	<2.5	69	<2.5	62	<2.5	<2.5	<5.0	<2.5	<2.5	420	<2.5	<2.5	<1.0	<2.5	<2.5	551	-	-	-	-	-	-	-	-	-	-	-	-
	2/16/99	-	-	-	3,600	4,700	-	-	-	-	-	-	-	-	<12	<1.8	58	<2.0	65	<3.8	<8.7	<1.4	<6.3	<0.39	590	<1.5	<4.9	<3.3	<4.6	<11	713	-	-	-	-	-	-	-	-	-	-	-	-
	1/10/00	-	-	-	8,400	6,200	-	-	-	-	-	-	-	-	5.2	<0.25	*110*	*2.2*	*2.2*	<0.25	*3.3*	<0.25	<0.25	1	*2.2*	*2.2*	*1.7*	<0.1	0.69	<0.25	1,130	-	-	-	-	-	-	-	-	-	-	-	-
	7/2/01	-	-	17	1,100	1,800	-	1,200	-	-	-	-	-	-	<2.5	<2.5	30	<2.5	<2.5	<2.5	11	<2.5	<2.5	<1.0	<2.5	<2.5	<2.5	<1	<2.5	<2.5	41	-	-	-	-	-	-	-	-	-	-	-	-
	9/6/01	-	-	31	6,800	7,700	-	3,300	-	-	-	-	-	-	<6.2	<6.2	70	<6.2	<6.2	<6.2	78	<6.2	<6.2	<2.5	<6.2	<6.2	<6.2	<2.5	<6.2	<6.2	148	-	-	-	-	-	-	-	-	-	-	-	-
	9/20/01	-	-	32	*54*	*53*	-	2,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/4/01	-	-	49	9,100	10,000	-	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/19/02	-	-	17	1,900	2,300	-	27,000	-	-	-	-	-	-	<1.1	<1.5	28	<0.94	37	<0.86	<1.7	-	<1.1	<0.94	260	<1.4	<1.8	<1.0	<0.36	<3.9	325	-	-	-	-	-	7.00	-	-	-	-	-	-
	12/30/02	-	-	-	9,200	-	-	350,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-	-
	6/17/03	-	-	41	4,700	4,900	-	18,000	-	-	-	-	-	-	<4.8	<1.8	*120*	<1.8	81	<2.7	*<2.2*	-	<2.2	<3.4	480	<2.1	<2.4	<4.2	<0.90	<13.2	681	-	-	-	-	-	7.00	-	-	-	-	-	-
	9/24/03	-	-	39	5,100	5,200	-	8,700	-	-	-	-	-	-	3.0	<0.37	*120*	*1.5*	110	<0.54	*1.5*	-	<0.45	<0.67	340	*1.7*	*1.9*	<0.83	<0.18	<2.63	580	-	-	-	-	-	7.00	-	-	-	-	-	-
MW-6R	12/11/03	-	-	44	2,200	2,100	-	63,000	-	-	-	-	-	-	<4.8	<1.8	*110*	<1.8	96	<2.7	*<2.2*	-	<2.2	<3.4	460	<2.1	<2.4	<4.1	<0.90	<13.1	666	-	-	-	-	-	7.00	-	-	-	-	-	-
	4/28/04	-	-	39	3,600	3,400	-	310	-	-	-	-	-	-	*2.4*	<0.74	*100*	*1.2*	86	<1.1	*1.4*	-	<0.90	<1.3	380	*1.2*	*1.5*	<1.7	<0.36	<5.3	573.7	-	-	-	-	-	-	-	-	-	-	-	-
	6/28/04	-	-	1.8	1,100	1,700	-	*200*	-	-	-	-	-	-	2.1	<0.74	51	<0.72	55	<1.1	*0.99*	-	<0.90	<1.3	280	<1.8	*1.4*	<1.7	<0.36	<5.3	390.49	-	-	-	-	-	-	-	-	-	-	-	-
	9/28/04	-	-	46	810	840	-	<18	-	-	-	-	-	-	*2.2*	<0.74	*110*	*1.4*	59	<1.1	<0.86	-	<0.90	<1.3	260	<0.84	<0.96	<1.7	0.58	<1.7	432.6	-	-	-	-	-	-	-	-	-	-	-	-
	12/27/04	-	-	37	1,300	1,500	-	18	-	-	-	-	-	-	*<2.4*	<0.92	82	*0.90*	64	<1.4	<1.1	-	<1.1	<1.7	310	<1.0	<1.2	<2.1	<0.45	<6.6	456.9	-	-	-	-	-	-	-	-	-	-	-	-
	3/30/05	-	-	49	670	860	-	<17	-	-	-	-	-	-	-	<0.37	*98*	<0.36	47	<0.54	0.43	-	<0.45	<0.67	*190*	<0.42	*0.64*	<0.83	<0.18	<2.63	337.14	-	-	-	-	-	6.88	-	-	-	-	-	-
	6/28/05	-	-	-	750	880	-	-	-	-	-	-	-	-	*<2.4*	<0.92	*160*	*1.50*	96	<1.4	<1.1	-	<1.1	<1.7	270	<1.0	*1.30*	<2.1	<0.45	<4.5	528.80	-	-	-	-	-	-	-	-	-	-	-	-
	9/1/05	-	-	-	760	860	-	-	-	-	-	-	-	-	*2.8*	<0.37	*140*	*1.2*	78	<0.54	<0.43	-	<0.45	<0.67	190	*0.89*	*1.00*	<0.83	0.47	<2.63	419.8	-	-	-	-	-	7.20	-	-	-	-	-	-
	12/14/05	-	-	-	730	970	-	-	-	-	-	-	-	-	2.5	<0.74	*130*	*1.2*	64	<1.1	<0.86	-	<0.90	<1.3	220	<0.84	*0.97*	<1.7	<0.36	<5.3	418.47	-	-	-	-	-	6.51	-	-	-	-	-	-
	3/10/06	-	-	-	870	1,100	-	-	-	-	-	-	-	-	<1.9	<0.74	*130*	*1.0*	67	<1.1	<0.86	-	<0.90	<1.3	230	<0.84	*1.10*	<1.7	<0.36	<5.3	429.06	-	-	-	-	-	7.10	1,312	-	-	-	-
	6/14/06	-	-	-	1,500	1,400	-	-	-	-	-	-	-	-	1.6	<0.37	*100*	*0.88*	66	<0.54	<0.43	-	<0.45	<0.67	240	*0.6*	*1.20*	<0.83	<0.18	<2.63	410.30	-	-	-	-	-	6.91	1,259	-	-	-	-
	9/13/06	-	-	-	1,100	1,000	-	-	-	-	-	-	-	-	2.0	<0.37	*110*	*1.00*	79	<0.54	<0.43	-	<0.45	<0.67	250	*0.7*	*1.30*	<0.83	0.31	<2.63	444.00	-	-	-	-	-	7.21	1,257	-	-	-	-
	10/20/06	-	-	38	590	680	-	<50	*140*	<2.5	-	-	-	-	2.3	<0.37	*120*	*1.10*	83	<0.54	<0.43	-	<0.45	<0.67	250	*0.7*	*1.20*	<0.83	0.56	<2.63	459.00	-	-	-	-	-	7.57	1,221	-	-	-	-
	11/20/06	-	-	*37*	380	390	-	<50	*140*	<2.5	-	-	-	-	2.0	<0.37	*110*	*1.40*	52	<0.54	<0.43	-	<0.45	<0.67	230	*0.64*	*1.10*	<0.83	<0.18	<2.63	397.00	-	-	-	-	-	-	-	-	-	-	-	-
	12/8/06	-	-	-	440	450	-	<50	*150*	<2.5	-	-	-	-	<1.9	<0.74	*110*	*0.94*	64	<1.1	<0.86	-	<0.90	<1.3	210	<0.84	*1.00*	<1.7	<0.36	<5.3	386.00	-	-	-	-	-	-	-	-	-	-	-	-
	1/2/07	-	-	-	970	1,000	-	-	-	-	-	-	-	-	<1.9	<0.74	76	<0.72	53	<1.1	<0.86	-	<0.90	<1.3	200	<0.84	*1.10*	<1.7	<0.36	<5.3	330.10	-	-	-	-	-	6.98	1,211	-	-	-	-
	1/31/07	-	-	-	960	970	-	<50	*140*	<2.5	-	-	-	-	2.1	<0.37	*120*	1.10	80	<0.54	<0.43	-	<0.45	<0.67	250	*0.8*	*1.50*	<0.83	<0.18	<0.83	456.47	-	-	-	-	-	-	-	-	-	-	-	-
	2/26/07	-	-	38	900	970	-	<50	*150*	<2.5	-	-	-	-	2.6	<0.74	*150*	*1.40*	89	<1.1	<0.86	-	<0.9	<1.3	210	*0.99*	*1.30*	<1.7	0.41	<5.3	454.30	-	-	-	-	-	6.95	1,316	-	-	-	-
	3/29/07	-	-	-	1,100	1,100	-	<50	*150*	-	-	-	-	-	2.3	<0.37	*140*	*1.50*	100	<0.54	<0.43	-	<0.45	<0.67	260	*0.99*	*1.70*	<0.83	0.61	<2.63	507.00	-	-	-	-	-	6.99	1,257	-	-	-	-
	6/6/07	-	-	-	1,600	1,500	-	<50	*140*	-	-	-	-	-	1.3	<0.37	*89*	*0.85*	63	<0.54	<0.43	-	<0.45	<0.67	280	*0.84*	*1.40*	<0.83	*<0.18*	<2.63	436.00	-	-	-	-	-	-	-	-	-	-	-	-
	9/10/07	-	-	-	850	880	-	-	-	-	-	-	-	-	1.5	<0.37	*88*	<0.36	55	<0.54	<0.43	-	<0.45	<0.67	250	<0.42	*1.10*	<0.83	*<0.18*	<2.63	395.60	-	-	-	-	-	6.97	1,113	-	-	-	-
	4/30/08	-	-	-	1,180	-	-	-	-	-	-	-	-	-	<0.97	<0.37	21	<0.36	29	<0.54	<0.43	-	<0.45	<0.67	*194*	<0.42	*1.20*	<0.83	*<0.18*	<1.8	245.10	-	-	-	-	-	-	-	-	-	-	-	-
	4/17/09	-	-	-	1,060	-	-	-	-	-	-	-	-	-	<1.9	<2.6	34	<0.72	28	<1.1	<0.86	-	<0.9	<1.3	*167*	<0.84	<0.96	<1.7	<0.36	<3.6	228.80	-	-	-	-	-	-	-	-	-	-	-	-
	4/27/09	-	-	12.7	1,260	1,500	-	<4.0	*134*	<2.3	-	-	-	-	<1.9	<2.6	63.5	<0.72	41.5	<1.1	<0.86	-	<0.9	<1.3	*181*	<0.84	*1.10*	<1.7	<0.36	<1.7	287.1	-	-	<0.17	-	-	-	0.21	3.2	2.4
	5/21/09	-	-	9.4	1,270	1,900	-	*4.4*	*158*	<1.7	-	-	-	-	<1.9	*2.6*	*22.1*	<0.72	29	<1.1	<0.86	-	<0.9	<1.3	*172*	<0.84	<0.96	<1.7	<0.36	<3.6	223.1	-	-	<0.25	-	-	-	0.34	1.8	2.7
	6/18/09	-	-	8.6	1,310	1,200	-	4.0	*149*	<1.7	-	-	-	-	0.99	<1.3	57.6	*0.66*	36.9	<0.54	<0.43	-	<0.45	<0.67	*184*	*0.69*	*1.10*	<0.83	<0.18	<1.8	281.9	-	-	<0.25	-	-	-	*2.2*	4.8	2.3	1.7
	7/15/09	-	-	13.1	1,110	640	-	90.6	*199*	<1.7	-	-	-	-	<0.97	<1.3	20.7	<0.36	29.2	<0.54	<0.43	-	<0.45	<0.67	215	<0.42	*1.40*	<0.83	<0.18	<1.8	266.3	-	-	<0.25	-	-	-	16.2	2.8	4.2	5.4
MW-6R (cont.)	9/23/09 [7]	-	-	-	980	-	-	-	-	-	-	-	-	-	<5.0	<1.0	79	<2.5	40	<2.5	<5.0	-	<2.5	<2.5	*170*	<1.2	*1.4*	<1.0	<1.0	<2.5	290.40	-	-	-	-	-	7.1	925	-	-	-	-
	3/29/10 [J]	-	-	-	1,200	-	-	-	-	-	-	-	-	-	<2.0	<0.40	29	<1.0	12	<1.0	<2.0	-	<1.0	<1.0	*110*	<0.50	*0.72*	<0.40	<0.40	<1.0	151.72	-	-	-	-	-	7.2	1,075	-	-	-	-
	9/23/10 [7]	-	-	-	360	-	-	-	-	-	-	-	-	-	<1.0	<0.20	*2.1*	<0.50	5.2	<0.50	<1.0	-	<0.50	<0.50	*110*	<0.25	*0.93*	<0.20	<0.20	<0.50	118.23	-	-	-	-	-	*7.12*	900	-	-	-	-
	3/1 7/11 [RE]	-	-	-	<1.81	-	-	-	-	-	-	-	-	-	<1.0	<0.20	0.85	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	1.5	<0.25	<0.20	<0.20	<0.20	<0.50	2.35	-	-	-	-	-	8.4	280	-	-	-	-
	9/22/11 [RE]	-	-	-	<1.5	-	-	-	-	-	-	-	-	-	<1.0	<0.20	2.5	<0.50	2.2	<0.50	<1.0	-	<0.50	<0.50	*45*	<0.25	0.42	<0.20	<0.20	<0.50	50.12	-	-	-	-	-	7.32	750	-	-	-	-
	3/21/12 [RE]	-	-	-	180	-	-	-	-	-	-	-	-	-	<1.0	<0.20	3.3	<0.50	*3.4*	<0.50	<1.0	-	<0.50	<0.50	*58*	<0.25	*0.54*	<0.20	<0.20	<0.50	65.24	-	-	-	-	-	7.73	770	-	-	-	-
	9/13/12 [RE]	-	-	-	244	-	-	-	-	-	-	-	-	-	<0.97	<1.3	3.5	<0.36	*3.5*	<0.54	<0.43	-	<0.45	<0.67	*7.0.2*	<0.42	*0.82*	<0.83	<0.18	<2.63	78.02	-	-	-	-	-	7.73	770	-	-	-	-
	5/1/13 [PR]	-	-	-	371	-	-	-	-	-	-	-	-	-	<0.44	<0.69	3.8	<0.48	*3.4*	<0.50	<0.36	-	<0.47	<0.44	*5.8.9*	<0.39	*0.73*	<2.5	<0.18	<1.32	78.02	-	-	-	-	-	7.12	930	-	-	-	-
	9/26/13 [RE]	-	-	-	270	-	-	-	-	-	-	-	-	-	<0.44	<0.69	1.5	<0.48	*1.9*	<0.50	<0.36	-	<0.47	<0.44	*4.7.9*	<0.39	*0.68*	<0.50	<0.18	<1.0	51.98	-	-	-	-	-	7.12	930	-	-	-	-

Table 2
Groundwater Analytical Results
Wisconsin Chrome, Kaukauna, Wisconsin / Project #58127047

		Mercury (ug/L)	Cadmium (ug/L)	Chloride (mg/L)	Total Chromium (ug/L)	Hexavalent Chromium (ug/L)	Copper (ug/l)	Iron (ug/l)	Sulfate Dissolved (mg/l)	Sulfide Dissolved (ug/l)	Lead (ug/l)	Nickel (ug/l)	Silver (ug/l)	Zinc (ug/l)	Chloroethane (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Ethylbenzene (ug/L)	Methylene Chloride (ug/L)	Methyl isobutyl ketone (MIBK) (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	Trichloroethene (ug/L)	1,3,5-Trimethylbenzene (ug/L)	Vinyl Chloride (ug/L)	Xylenes (ug/L)	Total VOCs (ug/L)	BOD (mg/L)	Cyanide (mg/L)	Phosphorous, total (mg/L)	Oil & Grease, total (mg/L)	Suspended Solids, total (mg/L)	pH	Conductivity	Manganese (ug/L)	Nitrogen,Nitrate-Dissolved (mg/L)	TOC as NPOC (mg/L)	TOC as NPOC (DOC) Dissolved (mg/L)
		Metals													Volatile Organic Compounds (VOC)																	Other											
NR 140 PAL		0.5	125	10	10	130	150	125	NE	1.5	20	10	NE	80	0.6	85	0.5	0.7	140	0.5	50	0.5	200	40	0.5	0.5	96	0.02	1,000	NE	NE	40	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
NR 140 ES		5	250	100	100	1,300	300	250	NE	15	100	50	NE	400	6	850	5	7	700	5	500	5	1,000	200	5	5	480	0.2	10,000	NE	NE	200	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
HOTV Discharge Limits		300	NE	4,000	NE	6,000	NE			690	4,100	NE	4,200																		NE	1,900	NE	100	NE	5-9					
Sample Location	**Sample Date**																																									
	5/15/14	-	-	-	28.5	-	-	-	-	-	-	-	-	-	<0.37	<2.5	7.9	<0.17	3.9	<0.50	<0.23	-	<0.50	<0.50	32.1	<0.16	0.49 [A1]	<0.50	<0.18	<1.5	43.90	-	-	-	-	-	5.97	472	-	-	-	-
	9/19/14	-	-	-	281	-	-	-	-	-	-	-	-	-	<0.37	<2.5	11.0	<0.17	7.9	<0.50	<0.23	-	<0.50	<0.50	5.4.4	<0.16	0.82	<0.50	<0.18	<1.5	74.12	-	-	-	-	-	5.97	472	-	-	-	-
	4/16/15	-	-	-	441	-	-	-	-	-	-	-	-	-	<0.37	<2.5	14.2	<0.17	8.5	<0.50	<0.23	-	<0.50	<0.50	5.7.6	<0.20	0.74	<0.50	<0.18	<0.50	81.04	-	-	-	-	-	6.38	3,130	-	-	-	-
MW-7	2/7/97	-	-	-	253,000	-	-	-	-	-	-	-	-	-	<100	-	1,000	-	5,200	-	-	-	-	-	73,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/4/97	-	-	-	352,000	-	-	-	-	-	-	-	-	-	44	-	1,570	-	9,640	-	-	-	-	-	168,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/21/97	-	-	-	30,400	40,500	-	-	-	-	-	-	-	-	<2	<2	353	<2	512	<2	<2	<10	<2	< 2.0	5,230	15	23	<2	3	<2.0	6,136	-	-	-	-	-	-	-	-	-	-	-
	2/5/98	-	-	-	167,000	96,000	-	-	-	-	-	-	-	-	51	4	600	<0.5	2,050	3	19	<5.0	<0.5	<11.0	16,600	29	39	<1.0	14	<13	19,409	-	-	-	-	-	-	-	-	-	-	-
	5/22/98	-	-	-	1,320	1,280	-	-	-	-	-	-	-	-	<1.0	<0.5	71.2	<0.5	113	<1.0	<0.5	<5.0	<0.5	< 1.0	512	<0.5	2.2	<1.0	<0.2	<1.0	698	-	-	-	-	-	-	-	-	-	-	-
	8/19/98	-	-	-	93,500	151,000	-	-	-	-	-	-	-	-	26	5	500	22	15,000	<1.0	<0.5	<5.0	<0.5	< 1.0	3,750,000	46	17	<1.0	4	<1.0	3,765,620	-	-	-	-	-	-	-	-	-	-	-
	1/18/99	-	-	-	150,000	140,000	-	-	-	-	-	-	-	-	<20	<20	470	<20	940	<20	220	<20	<20	<80	8,600	29	<20	<8.0	<20	<20	10,259	-	-	-	-	-	-	-	-	-	-	-
	2/17/99	-	-	100	170,000	180,000	-	<24	-	-	-	-	-	-	<250	<250	880	<250	4,700	<250	<250	<250	<250	<100	41,000	<250	<250	<100	<250	<250	46,580	-	-	-	-	-	-	-	-	-	-	-
	1/10/00	-	-	-	140,000	160,000	-	-	-	-	-	-	-	-	<120	<120	900	<120	6,000	<120	<120	<120	<120	<50	40,000	160	<120	<50	<120	<120	47,060	-	-	-	-	-	-	-	-	-	-	-
	7/2/01	-	-	-	380	650	-	-	-	-	-	-	-	-	<2.5	<2.5	35	<2.5	59	<2.5	11	<2.5	<2.5	< 1.0	510	<2.5	<2.5	<1	<2.5	<2.5	615	-	-	-	-	-	-	-	-	-	-	-
	9/19/01	-	-	28	8,100	20,000	-	270	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/4/01	-	-	80	32,000	34,000	-	<42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/15/01	-	-	84	56,000	54,000	-	<42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/29/01	-	-	77	69,000	57,000	-	8,800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/14/01	-	-	100	64,000	59,000	-	61,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/19/02	-	-	37	20,000	16,000	-	24,000	-	-	-	-	-	-	31	<38	300	<23	780	<22	<42	-	<28	<23	6,400	<36	<44	<26	<9	<97	7,511	-	-	-	-	-	7.00	-	-	-	-	-
	12/30/02	-	-	-	69,000	58,000	-	6,300	-	-	-	-	-	-	<84	<45	790	<55	2,100	<53	<47	-	<63	<84	17,000	<50	41	<64	<11	<183	19,931	-	-	-	-	-	7.00	-	-	-	-	-
	6/17/03	-	-	19	4,000	4,000	-	3,200	-	-	-	-	-	-	<48	<18	200	<18	410	<27	<22	-	<22	<34	4,700	<21	<24	<42	<9.0	<132	5,310	-	-	-	-	-	7.00	-	-	-	-	-
	9/24/03	-	-	64	51,000	48,000	-	3,300	-	-	-	-	-	-	<240	<92	710	<90	2,700	<140	<110	-	<110	<170	27,000	<100	<120	<210	<45	<660	30,410	-	-	-	-	-	7.00	-	-	-	-	-
MW-7R	12/11/03	-	-	240	150,000	150,000	-	27,000	-	-	-	-	-	-	<1900	<740	3,000	<720	12,000	<1100	<860	-	<900	<1300	160,000	<840	<960	<1700	<360	<5300	175,000	-	-	-	-	-	7.00	-	-	-	-	-
	4/20/04	-	-	170	130,000	140,000	-	<64	-	-	-	-	-	-	<970	<370	2,900	<360	5,200	<540	<430	-	<450	<670	74,000	<420	<480	<830	<180	<2630	82,100	-	-	-	-	-	-	-	-	-	-	-
	6/28/04	-	-	20	30,000	87,000	-	2,600	-	-	-	-	-	-	<480	<180	2,000	<180	4,800	<270	<220	-	<220	<340	49,000	<210	<240	<420	<90	<1320	55,800	-	-	-	-	-	-	-	-	-	-	-
	06/28/04 [2]	-	-	100	88,000	91,000	-	200	-	-	-	-	-	-	<480	<180	2,200	<180	4,600	<270	<220	-	<220	<340	49,000	<460	<240	<420	<90	<1320	55,800	-	-	-	-	-	-	-	-	-	-	-
	9/28/04	-	-	150	130,000	120,000	-	<920	-	-	-	-	-	-	<970	<370	2,300	<360	5,700	<540	<430	-	<450	<670	89,000	<420	<480	<830	<180	<2630	97,000	-	-	-	-	-	-	-	-	-	-	-
	09/28/04 [2]	-	-	160	130,000	130,000	-	<920	-	-	-	-	-	-	<970	<370	2,500	<360	8,000	<540	<430	-	<450	<670	120,000	<420	<480	<830	<180	<2630	130,900	-	-	-	-	-	-	-	-	-	-	-
	12/21/04	-	-	130	120,000	130,000	-	<17	-	-	-	-	-	-	<480	<180	1,700	<180	5,400	<270	<220	-	<220	<340	59,000	<210	<240	<420	<90	<1320	66,100	-	-	-	-	-	-	-	-	-	-	-
	12/21/04 [3]	-	-	130	120,000	130,000	-	<17	-	-	-	-	-	-	<480	<180	1,600	<180	4,500	<270	<220	-	<220	<340	50,000	<210	<240	<420	<90	<1320	56,100	-	-	-	-	-	-	-	-	-	-	-
	12/21/05 UF	-	-	-	130,000	120,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/1/05	-	-	170	150,000	150,000	-	18	-	-	-	-	-	-	<970	<370	2,800	<360	6,000	<540	<430	-	<450	<670	85,000	<420	<480	<830	<180	<2630	93,800	-	-	-	-	-	7.07	-	-	-	-	-
	6/28/05	-	-	-	150,000	140,000	-	-	-	-	-	-	-	-	<480	<180	2,000	<180	5,700	<270	<220	-	<220	<340	79,000	<210	<240	<420	<90	<1320	86,700	-	-	-	-	-	6.71	-	-	-	-	-
	9/14/05	-	-	-	140,000	150,000	-	-	-	-	-	-	-	-	<610	<230	2,600	<220	5,100	<340	<270	-	<280	<420	63,000	<260	<300	<520	<110	<1620	70,700	-	-	-	-	-	6.61	-	-	-	-	-
	12/14/05	-	-	-	130,000	130,000	-	-	-	-	-	-	-	-	<480	<180	2,300	<180	4,600	<270	<220	-	<220	<340	56,000	<210	<240	<420	<90	<1,320	58,900	-	-	-	-	-	6.51	-	-	-	-	-
	12/14/05 [3]	-	-	-	140,000	120,000	-	-	-	-	-	-	-	-	<480	<180	2,400	<280	4,900	<270	<220	-	<220	<340	61,000	<210	<240	<420	<90	<1,320	68,300	-	-	-	-	-	6.50	-	-	-	-	-
	3/10/06	-	-	-	130,000	140,000	-	-	-	-	-	-	-	-	<480	<180	2,700	<180	5,200	<270	<220	-	<220	<340	71,000	<210	<240	<420	<90	<1320	78,900	-	-	-	-	-	6.98	2,137	-	-	-	-
	3/10/06 [2]	-	-	-	120,000	140,000	-	-	-	-	-	-	-	-	<480	<180	2,600	<180	4,700	<270	<220	-	<220	<340	64,000	<210	<240	<420	<90	<1320	71,300	-	-	-	-	-	6.99	2,140	-	-	-	-
	6/14/06	-	-	-	120,000	140,000	-	-	-	-	-	-	-	-	<240	<92	2,100	<90	4,400	<140	<110	-	<110	<170	46,000	<100	<120	<210	<45	<660	52,500	-	-	-	-	-	6.92	1,979	-	-	-	-
	6/14/06 [2]	-	-	-	120,000	140,000	-	-	-	-	-	-	-	-	<190	<74	2,100	<72	4,000	<110	<86	-	<90	<130	41,000	<84	<96	<170	<36	<530	47,100	-	-	-	-	-	6.92	1,981	-	-	-	-
	9/13/06	-	-	-	160,000	50,000	-	-	-	-	-	-	-	-	<480	<180	2,700	<180	6,500	<270	<220	-	<220	<340	73,000	<210	<240	<420	<90	<1320	82,200	-	-	-	-	-	7.16	1,538	-	-	-	-
	09/13/06 [3]	-	-	-	170,000	45,000	-	-	-	-	-	-	-	-	<480	<180	2,700	<180	6,600	<270	<220	-	<220	<340	73,000	<210	<240	<420	<90	<1320	82,300	-	-	-	-	-	7.18	1,544	-	-	-	-
	10/20/06	-	-	150	120,000	140,000	-	<50	-	-	-	-	-	-	<24	<9.2	3,200	18	380	<14	16	-	<11	<17	190	<10	<12	<21	<4.5	<66	3,804	-	-	-	-	-	7.17	1,780	-	-	-	-
	10/20/06 [2]	-	-	180	130,000	170,000	-	<50	<1.2	<2.5	-	-	-	-	250	<92	2,400	<90	4,200	<140	<110	-	<110	<170	34,000	<100	<120	<210	<45	<660	40,950	-	-	-	-	-	-	-	-	-	-	-
	11/20/06	-	-	160	140,000	190,000	-	<50	220	-	-	-	-	-	<240	<92	2,400	<90	4,300	<140	<110	-	<110	<170	45,000	<100	<120	<210	<45	<660	51,700	-	-	-	-	-	7.07	1,642	-	-	-	-
	11/20/06 [3]	-	-	160	160,000	180,000	-	<50	220	<2.5	-	-	-	-	<390	<150	2,300	<140	4,200	<220	380	-	<180	<270	42,000	<170	<190	<330	<72	<1050	48,800	-	-	-	-	-	7.02	1,637	-	-	-	-
	12/8/06	-	-	-	140,000	160,000	-	<50	11	-	-	-	-	-	<480	<180	2,900	<180	5,100	<270	<220	-	<220	<340	62,000	<210	<240	<420	<90	<1320	70,000	-	-	-	-	-	7.20	2,106	-	-	-	-
	12/08/06 [3]	-	-	-	150,000	160,000	-	<50	11	<2.5	-	-	-	-	<480	<180	2,100	<180	4,100	<270	<220	-	<220	<340	49,000	<210	<240	<420	<90	<1320	55,200	-	-	-	-	-	-	-	-	-	-	-
	1/2/07	-	-	-	140,000	150,000	-	-	-	-	-	-	-	-	<480	<180	2,600	<180	5,400	<270	<220	-	<220	<340	60,000	<210	<240	<420	<90	<1320	68,000	-	-	-	-	-	6.46	2,078	-	-	-	-
	1/20/07 [2]	-	-	-	140,000	150,000	-	-	-	-	-	-	-	-	<480	<180	2,500	<180	5,300	<270	<220	-	<220	<340	58,000	<210	<240	<420	<90	<1320	65,800	-	-	-	-	-	6.45	2,081	-	-	-	-
	1/30/07	-	-	-	120,000	140,000	-	<50	220	<2.5	-	-	-	-	<390	<150	4,700	<140	7,500	<220	<170	-	<180	<270	90,000	<170	<190	<330	<72	<1050	102,200	-	-	-	-	-	-	-	-	-	-	-
	1/30/07 [2]	-	-	-	130,000	150,000	-	<50	220	<2.5	-	-	-	-	<92	<60	2,500	<90	3,900	<140	<110	-	<110	<170	33,000	<100	<120	<210	<45	<450	39,400	-	-	-	-	-	-	-	-	-	-	-
	2/26/07	-	-	130	110,000	140,000	-	<50	200	<2.5	-	-	-	-	<480	<180	3,100	<180	4,400	<270	<220	-	<220	<340	39,000	<210	<240	<420	<90	<1320	46,500	-	-	-	-	-	6.85	2,081	-	-	-	-
	2/26/07 [2]	-	-	140	110,000	140,000	-	<50	200	<2.5	-	-	-	-	<480	<180	3,500	<180	5,300	<270	<220	-	<220	<340	50,000	<210	<240	<420	<90	<1320	58,800	-	-	-	-	-	7.10	1,795	-	-	-	-
	3/2/07	-	-	-	140,000	150,000	-	<50	-	-	-	-	-	-	<480	<180	2,700	<180	5,300	<270	<220	-	<220	<340	64,000	<210	<240	<420	<90	<1320	72,000	-	-	-	-	-	7.10	1,775	-	-	-	-
	3/2/07 [2]	-	-	-	140,000	150,000	-	<50	-	-	-	-	-	-	<480	<180	2,600	<180	5,300	<270	<220	-	<220	<340	64,000	<210	<240	<420	<90	<1320	71,900	-	-	-	-	-	-	-	-	-	-	-
	6/6/07	-	-	-	120,000	140,000	-	<50	-	-	-	-	-	-	260	<74	2,200	<72	3,300	<110	<86	-	<90	<130	29,000	<84	<96	<170	<36	<530	34,760	-	-	-	-	-	-	-	-	-	-	-
	6/6/07 [2]	-	-	-	130,000	130,000	-	<50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/11/07	-	-	-	170,000	280	-	-	-	-	-	-	-	-	<240	<92	2,200	<90	4,400	<140	<110	-	<110	<170	51,000	<100	<120	<210	<45	<660	57,600	-	-	-	-	-	6.91	1,733	-	-	-	-
	12/21/07	-	-	140	140,000	140,000	-	<50	240	-	-	-	-	-	<240	<92	2,200	<90	4,400	<140	<110	-	<110	<170	51,000	<100	<120	<210	<45	<660	59,800	-	-	-	-	<0.17	-	6.91	1,733	32	< 0.085	6.70	6.00
	5/1/08	-	-	-	93,300	-	-	-	-	-	-	-	-	-	<388	<148	1,700	<143	2,900	<216	<172	-	<180	<268	32,600	<168	<192	<332	<72	<720	37,260	-	-	-	-	-	-	-	-	-	-	-
	5/1/08 [2]	-	-	-	95,600	-	-	-	-	-	-	-	-	-	<388	<148	2,270	<144	4,400	<216	<172	-	<180	<268	47,700	<168	<192	<332	<72	<720	54,370	-	-	-	-	-	-	-	-	-	-	-
	9/26/08	-	-	-	128,000	-	-	-	-	-	-	-	-	-	<242	<325	2,070	<90	2,830	<135	<108	-	<112	<168	27,400	<105	<120	<208	<45	<658	32,200	-	-	-	-	-	6.96	1,924	-	-	-	-
	12/8/08	-	-	139	106,000	127	-	132.0	-	181.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 68	-	-	-	36	< 0.085	-	7.50
	12/12/08 [3]	-	-	152	111,000	140	-	<7.2	-	192.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	< 68	-	-	-	30	< 0.085	-	7.50
	4/8/09	-	-	116	89,800	110,000	-	<6.9	143	<2.3	-	-	-	-	<242	<325	2,190	<90	3,120	<135	<108	-	<112	<168	36,100	<105	<120	<208	<45	<450	41,410	-	-	-	-	-	<0.68	-	-	-	-	-
	4/8/09 [3]	-	-	115	86,900	104,000	-	<6.9	142	-	-	-	-	-	<242	<325	2,210	<90	3,230	<135	<108	-	<112	<168	36,500	<105	<120	<208	<45	<450	41,940	-	-	-	-	-	<0.68	-	18.6	<4.2	4.9	4.5
	4/17/09	-	-	-	3,460	-	-	-	-	-	-	-	-	-	<242	<325	1,720	<90	<142	<135	<108	-	<112	<168	19,000	<105	<120	<208	<45	<450	20,720	-	-	-	-	-	-	-	-	-	-	-
	04/17/09 [3]	-	-	-	3,750	-	-	-	-	-	-	-	-	-	<242	<325	1,850	<90	<142	<135	<108	-	<112	<168	23,700	<105	<120	<208	<45	<450	25,550	-	-	-	-	-	-	-	-	-	-	-
	4/27/09	-	-	76.7	159	<17	-	114,000	2,060	7.8	-	-	-	-	<242	<325	2,300	<90	168	<135	<108	-	<112	<168	27,600	<105	<120	<208	<45	<450	30,068	-	-	-	-	<0.17	-	-	-	4,500	<0.085	54.2	24.5
	4/27/09 [2]	-	-	83.3	196	<17	-	144,000	2,260	7.4	-	-	-	-	<242	<325	2,020	<90	176	<135	<108	-	<112	<168	24,500	<105	<120	<208	<45	<450	26,696	-	-	-	-	<0.17	-	-	-	5,540	<0.085	24.4	22.1
	5/21/09	-	-	83.6	964	<17	-	378,000	1,610	4.8	-	-	-	-	<242	<325	1,330	<90	<142	<135	<108	-	<112	<168	16,400	<105	<120	<208	<45	<450	17,730	-	-	-	-	<0.25	-	-	-	12,200	0.160	13.0	12.9
	5/21/09 [2]	-	-	80.8	580	<17	-	278,000	1,550	4.8	-	-	-	-	<242	<325	1,240	<90	<142	<135	<108	-	<112	<168	15,600	<105	<120	<208	<45	<450	16,840	-	-	-	-	<0.25	-	-	-	10,600	0.160	13.9	13.2
	6/18/09	-	-	63.8	300	<20	-	66,000	1,100	1.8	-	-	-	-	<194	<260	1,290	<72	<114	<108	<86	-	<90	<134	12,600	<84	<96	<166	<36	<360	13,890	-	-	-	-	<0.25	-	-	-	4,090	<0.25	7.2	4.8
	6/18/09 [2]	-	-	64.4	504	<20	-	77,200	1,120	<1.7	-	-	-	-	<194	<260	1,500	<72	<114	<108	<86	-	<90	<134	18,900	<84	<96	<166	<36	<360	20,400	-	-	-	-	<0.25	-	-	-	4,520	<0.25	4.5	4.4
	7/15/09	-	-	77.1	13.4	<3.9	-	18,000	900	<1.7	-	-	-	-	<194	<260	1,310	<72	<114	<108	<86	-	<90	<134	20,000	<84	<96	<166	<36	<360	21,310	-	-	-	-	<0.25	-	-	-	2,560	<0.25	4.5	4.4
	7/15/09 [2]	-	-	77.2	11.7	<3.9	-	16,000	897	<1.7	-	-	-	-	<194	<260	1,200	<72	<114	<108	<86	-	<90	<134	17,300	<84	<96	<166	<36	<360	18,500	-	-	-	-	<0.25	-	-	-	2,510	<0.25	8.3	7.9
	9/23/09	-	-	-	11	-	-	-	-	-	-	-	-	-	<400	<80	2,100	<200	<200	<200	<400	-	<200	<200	28,000	<100	<80	<80	<80	<200	30,100	-	-	-	-	-	6.90	1,731	-	-	-	-
	3/29/10 [2]	-	-	-	1,900	-	-	-	-	-	-	-	-	-	<250	<50	1,200	<120	220	<120	<250	-	<120	<120	13,000	<62	<50	<50	<50	<120	14,420	-	-	-	-	-	-	-	-	-	-	-
	3/29/10 [3]	-	-	-	-	-	-	-	-	-	-	-	-	-	<250	<50	1,300	<120	230	<120	<250	-	<120	<120	14,000	<62	<50	<50	<50	<120	15,530	-	-	-	-	-	7.10	1,510	-	-	-	-
	9/2/10 [Y]	-	-	-	480	-	-	-	-	-	-	-	-	-	160	<32	1,200	<80	970	<80	<160	-	<80	<80	11,000	<40	40	<32	<32	<80	12,970	-	-	-	-	-	6.98	1,630	-	-	-	-
	3/17/11	-	-	-	6,380	-	-	-	-	-	-	-	-	-	<160	<32	1,200	<80	680	<80	<160	-	<80	<80	12,000	<40	38	<32	<32	<80	13,918	-	-	-	-	-	7.63	1,570	-	-	-	-
	9/22/11 [DO]	-	-	-	10,000	-	-	-	-	-	-	-	-	-	140	<20	1,000	<50	830	<50	<100	-	<50	<50	7,900	<25	42	<20	<20	<50	9,912	-	-	-	-	-	-	-	-	-	-	-
MW-7R (cont.)	9/22/11 [D,RM]	-	-	-	-	-	-	-	-	-	-	-	-	-	130	<20	1,000	<50	800	<50	<100	-	<50	<50	7,800	<25	38	<20	<20	<50	9,768	-	-	-	-	-	7.25	1,320	-	-	-	-
	3/21/12 [AB]	-	-	-	4,500	-	-	-	-	-	-	-	-	-	19	0.47	440	2.6	410	<0.50	1.6	-	<0.50	<0.50	5,100	3.9	8.5	<0.20	0.52	<0.50	5,987	-	-	-	-	-	7.84	540	-	-	-	-
	9/13/12 [AB]	-	-	-	32,700	-	-	-	-	-	-	-	-	-	<194	<260	1,520	<72.0	1,900	<108	<86.0	-	<90.0	<134	18,400	<84.0	<96	<166	<36	<526	21,820	-	-	-	-	-	7.84	540	-	-	-	-
	5/8,13 [AB]	-	-	-	24,100	-	-	-	-	-	-	-	-	-	<88.7	<138	1,300	<36.3	1,560	<100	<71.7	-	<94.4	<87.7	16,200	<78.0	<85.5	<100	<37.0	<263	19,060	-	-	-	-	-	7.27	301	-	-	-	-
	9/25/13 [AB]	-	-	-	14,700	-	-	-	-	-	-	-	-	-	112	<34.4	1,040	<23.8	1,090	<25.0	<17.9	-	<23.6	<21.6	7,710	<19.5	37.3	<25.0	14.6	<65.9	10,004	-	-	-	-	-	7.27	301	-	-	-	-
	5/15/14	-	-	-	3,810	-	-	-	-	-	-	-	-	-	33.4 [AV]	<125	300	<8.4	562	<25.0	<11.6	-	<25.0	<25.0	6,280	<7.8	19.9 [AV]	<25.0	<8.8	<75.0	7,142	-	-	-	-	-	6.65	312	-	-	-	-
	9/18/14	-	-	-	36,300	-	-	-	-	-	-	-	-	-	144	<125	1,320	<8.4	2,200	<25.0	64.6	-	<25.0	<25.0	14,100	<7.8	48.2	<25.0	9.6	<75.0	17,886	-	-	-	-	-	6.65	312	-	-	-	-
	4/16/15	-	-	-	6,780	-	-	-	-	-	-	-	-	-	19.3	<25.0	234	<1.7	267	<5.0	<2.3	-	<5.0	<5.0	1,280	2.7	10.0	<5.0	<1.8	<15.0	1,813	-	-	-	-	-	6.63	2,520	-	-	-	-

Table 2
Groundwater Analytical Results
Wisconsin Chrome, Kaukauna, Wisconsin / Project #58127047

		Mercury (ug/L)	Cadmium (ug/L)	Chloride (mg/L)	Total Chromium (ug/L)	Hexavalent Chromium (ug/L)	Copper (ug/l)	Iron (ug/l)	Sulfate Dissolved (mg/l)	Sulfide Dissolved (ug/l)	Lead (ug/l)	Nickel (ug/l)	Silver (ug/l)	Zinc (ug/l)	Chloroethane (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Ethylbenzene (ug/L)	Methylene Chloride (ug/L)	Methyl isobutyl ketone (MIBK) (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	Trichloroethene (ug/L)	1,3,5-Trimethylbenzene (ug/L)	Vinyl Chloride (ug/L)	Xylenes (ug/L)	Total VOCs (ug/L)	BOD (mg/L)	Cyanide (mg/L)	Phosphorous, total (mg/L)	Oil & Grease, total (mg/L)	Suspended Solids, total (mg/L)	pH	Conductivity	Manganese (ug/L)	Nitrogen,Nitrate-Dissolved (mg/L)	TOC as NPOC (mg/L)	TOC as NPOC (DOC)-Dissolved (mg/L)
		Metals													Volatile Organic Compounds (VOC)																	Other											
NR 140 PAL		0.5	125	10	10	130	150	125	NE	1.5	20	10	NE	80	0.6	85	0.5	0.7	140	0.5	50	0.5	200	40	0.5	0.5	96	0.02	1,000	NE	NE	40	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
NR 140 ES		5	250	100	100	1,300	300	250	NE	15	100	50	NE	400	6	850	5	7	700	5	500	5	1,000	200	5	5	480	0.2	10,000	NE	NE	200	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
HOTV Discharge Limits		300	NE	4,000	NE	4,000	NE			690	4,100	NE	4,200																		NE	1,900	NE	100	NE	5-9					
Sample Location	**Sample Date**																																									
MW-8	11/21/97	-	-	-	<5.0	<10	-	-							<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2	<2	<2	<2	<2	<2.0	0	-	-	-	-	-	-	-	-	-	-	-
	5/22/98	-	-	-	18	<10.0	-	-	-	-	-	-	-	-	<1.0	<0.5	<1.0	<0.5	<0.5	<1.0	<1.0	<5.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.2	<1.0	0	-	-	-	-	-	-	-	-	-	-	-
	8/20/98	-	-	-	<5.0	<10.0	-	-	-	-	-	-	-	-	<1.0	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.2	<1.0	0	-	-	-	-	-	-	-	-	-	-	-
	1/14/99	-	-	-	4	<4.2	-	-	-	-	-	-	-	-	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.1	<0.25	<0.25	<0.25	<0.10	<0.25	<0.25	0	-	-	-	-	-	-	-	-	-	-	-
	2/16/99	-	-	-	6	<4.2	-	-	-	-	-	-	-	-	<1.2	<0.18	<0.25	<0.20	<0.73	<0.38	<0.87	<0.14	<0.63	<0.39	<0.28	<0.15	<0.49	<0.33	<0.46	<1.1	0	-	-	-	-	-	-	-	-	-	-	-
	7/2/01	-	-	690	8	<4.2	-	250	-	-	-	-	-	-	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.1	<0.25	<0.25	<0.25	<0.1	<0.25	<0.25	0	-	-	-	-	-	-	-	-	-	-	-
	9/6/01	-	-	420	12	10	-	8,200	-	-	-	-	-	-	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.52	<0.25	<0.25	<0.1	<0.25	<0.25	<0.25	<0.1	<0.25	<0.25	1	-	-	-	-	-	-	-	-	-	-	-
	10/30/01	-	-	310	6	6	-	18,000	-	-	-	-	-	-	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.1	<0.25	<0.25	<0.25	<0.1	<0.25	<0.25	0	-	-	-	-	-	-	-	-	-	-	-
	11/14/01	-	-	290	<0.52	<4.2	-	79,000	-	-	-	-	-	-	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.48	<0.25	<0.25	<0.1	<0.25	<0.25	<0.25	<0.1	<0.25	<0.25	0	-	-	-	-	-	-	-	-	-	-	-
	4/14/03	-	-	590	17	<20	-	13,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	6/16/03	-	-	810	19	4	-	9,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	9/24/03	-	-	550	30	<2.6	-	20,000	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	7.00	-	-	-	-	-
	12/15/03	-	-	710	59	<2.6	-	40,000	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	7.00	-	-	-	-	-
	4/20/04	-	-	450	3	<2.7	-	<32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/30/04	-	-	440	3	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/14/04	-	-	380	3	<2.7	-	71	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.56	<0.75	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	-	-	-	-	-	-
	12/28/04	-	-	430	2	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/29/05	-	-	520	7	<2.7	-	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.22	-	-	-	-	-
MW-9	11/21/97	-	-	-	<5.0	<10	-	-							<2	<2	<2	<2	<2	<2	<2	<10	<2	<2	<2	<2	<2	<2	<2	<2.0	0	-	-	-	-	-	-	-	-	-	-	-
	2/5/98	-	-	-	<5.0	<10.0	-	-	-	-	-	-	-	-	<10.0	<5.0	<10.0	<5.0	<5.0	<10.0	<5.0	<50.0	<5.0	<10	<5.0	<5.0	<5.0	<10.0	<2.0	<10	0	-	-	-	-	-	-	-	-	-	-	-
	5/22/98	-	-	-	<5.0	<10.0	-	-	-	-	-	-	-	-	<1.0	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.2	<1.0	0	-	-	-	-	-	-	-	-	-	-	-
	8/19/98	-	-	-	10	<10.0	-	-	-	-	-	-	-	-	<1.0	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.2	<1.0	0	-	-	-	-	-	-	-	-	-	-	-
	1/14/99	-	-	-	5	<4.2	-	-	-	-	-	-	-	-	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.1	<0.25	<0.25	<0.25	<0.10	<0.25	<0.25	0	-	-	-	-	-	-	-	-	-	-	-
	2/16/99	-	-	-	3	<4.2	-	-	-	-	-	-	-	-	<1.2	<0.18	<0.25	<0.20	<0.73	<0.38	<0.87	<0.14	<0.63	<0.39	<0.28	<0.15	<0.49	<0.33	<0.46	<1.1	0	-	-	-	-	-	-	-	-	-	-	-
	7/2/01	-	-	-	2	<4.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-
	4/14/03	-	-	330	10	<20	-	7,900	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	7.00	-	-	-	-	-
	6/17/03	-	-	250	8	<2.6	-	3,900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	9/24/03	-	-	310	17	<2.6	-	12,000	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	7.00	-	-	-	-	-
MW-9R	12/11/03	-	-	320	3	<2.6	-	650	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	7.00	-	-	-	-	-
	4/28/04	-	-	320	3	<2.7	-	510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/29/04	-	-	260	<0.52	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/5/04	-	-	240	<0.52	<2.7	-	18	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	-	-	-	-	-	-
	4/18/05	-	-	14	<0.65	<5	-	<18	-	-	-	-	-	-	<0.97	<0.37	0.98	<0.36	<0.57	<0.54	0.53	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	1.51	-	-	-	-	-	-	-	-	-	-	-
	9/14/05	-	-	-	2	<5.0	-	-	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	6.96	-	-	-	-	-
	9/13/06	-	-	-	<1.9	<6.8	-	-	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.97	<0.18	<2.63	0	-	-	-	-	-	7.45	-	-	-	-	-
	9/10/07	-	-	-	1	<3.4	-	-	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	6.99	1,581	-	-	-	-
MW-10	1/14/99	-	-	-	2,100	2,600	-	-	-	-	-	-	-	-	<0.25	<0.25	10	<0.25	3.3	<0.25	1.8	<0.25	<0.25	<0.1	44	<0.25	<0.25	<0.10	<0.25	<0.72	59	-	-	-	-	-	-	-	-	-	-	-
	2/17/99	-	-	-	26,000	29,000	-	-	-	-	-	-	-	-	<1.2	<1.2	9.5	<1.2	<1.2	<1.2	<12	<1.2	<1.2	<0.5	36	<1.2	<1.2	<0.50	<1.2	<1.2	46	-	-	-	-	-	-	-	-	-	-	-
	2/17/99	-	-	-	26,000	25,000	-	-	-	-	-	-	-	-	<1.2	<1.2	9.2	<1.2	<1.2	<1.2	3.6	<1.2	<1.2	<0.5	37	<1.2	<1.2	<0.50	<1.2	<1.2	50	-	-	-	-	-	-	-	-	-	-	-
	3/22/00	-	-	-	14,000	15,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7/2/01	-	-	-	12,000	13,000	-	-	-	-	-	-	-	-	0.93	<0.25	8.6	<0.25	3.1	<0.25	0.82	<0.25	<0.25	<0.1	39	<0.25	<0.25	<0.1	<0.25	<0.25	52	-	-	-	-	-	-	-	-	-	-	-
	9/20/01	-	-	34	5,300	6,400	-	2,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/4/01	-	-	42	7,400	10,000	-	580	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/15/01	-	-	30	8,000	9,600	-	<42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/30/01	-	-	29	9,400	12,000	-	77,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/14/01	-	-	33	11,000	11,000	-	200,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/19/02	-	-	28	8,800	5,500	-	150,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/30/02	-	-	-	7,500	3,900	-	180,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-	-
	6/17/03	-	-	31	4,900	4,400	-	50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-	-
	9/24/03	-	-	24	2,700	2,600	-	60,000	-	-	-	-	-	-	<0.97	<0.37	7.0	<0.36	2.7	<0.54	<0.43	-	<0.45	<0.67	33	<0.42	<0.48	<0.83	<0.18	<2.63	43	-	-	-	-	-	7.00	-	-	-	-	-
	12/10/03	-	-	25	3,800	3,100	-	100,000	-	-	-	-	-	-	<0.97	<0.37	6.6	<0.36	3.1	<0.54	<0.43	-	<0.45	<0.67	42	<0.42	<0.48	<0.83	<0.18	<2.63	52	-	-	-	-	-	7.00	-	-	-	-	-
	12/10/03[2]	-	-	24	3,900	3,200	-	120,000	-	-	-	-	-	-	<0.97	<0.37	6.8	<0.36	3.1	<0.54	<0.43	-	<0.45	<0.67	43	<0.42	<0.48	<0.83	<0.18	<2.63	53	-	-	-	-	-	-	-	-	-	-	-
	4/15/04	-	-	25	2,400	2,600	-	430	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/29/04	-	-	34	2,100	2,000	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/29/04[2]	-	-	32	2,200	2,100	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/7/04	-	-	24	1,300	1,400	-	<17	-	-	-	-	-	-	<0.97	<0.37	4.6	<0.36	2.0	<0.54	<0.43	-	<0.45	<0.67	29	<0.42	<0.48	<0.83	<0.18	<2.63	35.6	-	-	-	-	-	-	-	-	-	-	-
	10/07/04[2]	-	-	23	1,300	1,400	-	<17	-	-	-	-	-	-	<0.97	<0.37	4.1	<0.36	1.6	<0.54	<0.43	-	<0.45	<0.67	26	<0.42	<0.48	<0.83	<0.18	<2.63	31.7	-	-	-	-	-	-	-	-	-	-	-
	12/30/04	-	-	52	1,300	1,300	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/30/04[2]	-	-	51	1,300	1,300	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/19/05	-	-	22	1,400	1,300	-	22	-	-	-	-	-	-	<0.97	<0.37	4.6	<0.36	1.7	<0.54	0.53	-	<0.45	<0.67	23	<0.42	<0.48	<0.83	<0.18	<2.63	29.3	-	-	-	-	-	7.27	-	-	-	-	-
	6/28/05	-	-	-	1,200	1,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.04	-	-	-	-	-
	9/14/05	-	-	-	790	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.84	-	-	-	-	-
	12/14/05	-	-	-	1,000	1,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.78	-	-	-	-	-
	3/10/06	-	-	-	650	770	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.30	-	-	-	-	-
	6/14/06	-	-	-	510	630	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/12/06	-	-	-	380	420	-	-	-	-	-	-	-	-	<0.97	<0.37	3.8	<0.36	0.85	<0.54	<0.43	-	<0.45	<0.67	19	<0.42	<0.48	<0.83	<0.18	<2.63	23.65	-	-	-	-	-	7.10	-	-	-	-	-
	1/2/07	-	-	-	470	470	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	3/29/07	-	-	-	420	390	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.14	-	-	-	-	-
	6/6/07	-	-	-	360	380	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/10/07	-	-	-	240	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.78	1,602	-	-	-	-
	4/30/08	-	-	-	297	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/23/08	-	-	-	109	-	-	-	-	-	-	-	-	-	<0.97	<1.3	2.1	<0.36	<.57	<0.54	<0.43	-	<0.45	<0.67	7.9	<0.42	<0.48	<0.83	<0.18	<2.63	10	-	-	-	-	-	6.99	1,791	-	-	-	-
	4/17/09	-	-	-	152	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/23/09	-	-	-	160	-	-	-	-	-	-	-	-	-	<1.0	<0.20	1.8	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	5.1	<0.25	<0.20	<0.20	<0.20	<0.50	6.9	-	-	-	-	-	-	-	-	-	-	-
	9/23/09[5]	-	-	-	-	-	-	-	-	-	-	-	-	-	<1.0	<0.20	1.8	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	4.3	<0.25	<0.20	<0.20	<0.20	<0.50	6.1	-	-	-	-	-	6.8	1,250	-	-	-	-
	3/29/10	-	-	-	240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.9	1,050	-	-	-	-
MW-10 (cont.)	9/23/10	-	-	-	130	-	-	-	-	-	-	-	-	-	<1.0	<0.20	2.4	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	9.3	<0.25	<0.20	<0.20	<0.20	<0.50	11.7	-	-	-	-	-	7.22	1,650	-	-	-	-
	3/17/11	-	-	-	97.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.5	1,270	-	-	-	-
	9/22/11	-	-	-	43	-	-	-	-	-	-	-	-	-	<1.0	<0.20	2.3	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	8.6	<0.25	<0.20	<0.20	<0.20	<0.50	10.9	-	-	-	-	-	7.09	700	-	-	-	-
	3/21/12	-	-	-	74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.47	1,470	-	-	-	-
	9/13/12	-	-	-	<2.0	-	-	-	-	-	-	-	-	-	<0.97	<1.3	2	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	5.1	<0.42	<0.48	<0.83	<0.18	<2.63	7.1	-	-	-	-	-	7.47	1,470	-	-	-	-
	4/30/13	-	-	-	7.8	-	-	-	-	-	-	-	-	-	<0.97	<1.3	2	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	5.1	<0.42	<0.48	<0.83	<0.18	<2.63	7.1	-	-	-	-	-	7.34	1,820	-	-	-	-
	9/25/13	-	-	-	24.3	-	-	-	-	-	-	-	-	-	<.44	<0.69	2.3	<0.48	<.043	<0.54	<0.36	-	<0.47	<0.44	5.7	<0.39	<0.36	<0.50	<0.18	<1.32	8.0	-	-	-	-	-	7.34	1,820	-	-	-	-
	5/14/14	-	-	-	56.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.55	1,150	-	-	-	-
	9/19/14	-	-	-	34.8	-	-	-	-	-	-	-	-	-	<0.37	<2.5	2.6	<0.17	<0.41	<0.50	<0.23	-	<0.50	<0.50	5.6	<0.16	<0.33	<0.50	<0.18	<1.50	8.2	-	-	-	-	-	5.55	1,150	-	-	-	-
	4/15/15	-	-	-	62.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.74	1,640	-	-	-	-
MW-11	1/14/99	-	-	-	3.4	<4.2	-	-	-	-	-	-	-	-	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.1	<0.25	<0.25	0.23	<0.25	<2.1	0	-	-	-	-	-	-	-	-	-	-	-
	2/16/99	-	-	-	3.7	<4.2	-	-	-	-	-	-	-	-	<1.2	<0.18	<0.25	<0.20	<0.73	<0.38	<0.87	<0.14	<0.63	<0.39	<0.28	<0.15	<0.49	<0.33	<0.46	<1.1	0	-	-	-	-	-	-	-	-	-	-	-
	7/2/01	-	-	-	9.8	<4.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/14/03	-	-	490	62	<20	-	58,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	6/16/03	-	-	690	62	<2.6	-	50,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	9/24/03	-	-	790	81	9	-	69,000	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	7.00	-	-	-	-	-

Table 2
Groundwater Analytical Results
Wisconsin Chrome, Kaukauna, Wisconsin / Project #58127047

		Mercury (ug/L)	Cadmium (ug/L)	Chloride (mg/L)	Total Chromium (ug/L)	Hexavalent Chromium (ug/L)	Copper (ug/l)	Iron (ug/l)	Sulfate Dissolved (mg/l)	Sulfide Dissolved (ug/l)	Lead (ug/l)	Nickel (ug/l)	Silver (ug/l)	Zinc (ug/l)	Chloroethane (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Ethylbenzene (ug/L)	Methylene Chloride (ug/L)	Methyl isobutyl ketone (MIBK) (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	Trichloroethene (ug/L)	1,3,5-Trimethylbenzene (ug/L)	Vinyl Chloride (ug/L)	Xylenes (ug/L)	Total VOCs (ug/L)	BOD (mg/L)	Cyanide (mg/L)	Phosphorous, total (mg/L)	Oil & Grease, total (mg/L)	Suspended Solids, total (mg/L)	pH	Conductivity	Manganese (ug/L)	Nitrogen,Nitrate-Dissolved (mg/L)	TOC as NPOC (mg/L)	TOC as NPOC (DOC)-Dissolved (mg/L)
		Metals													Volatile Organic Compounds (VOC)																	Other											
NR 140 PAL		0.5	125	10	10	130	150	125	NE	1.5	20	10	NE	80	0.6	85	0.5	0.7	140	0.5	50	0.5	200	40	0.5	0.5	96	0.02	1,000	NE	NE	40	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
NR 140 ES		5	250	100	100	1,000	300	250	NE	15	100	50	NE	400	6	850	5	7	700	5	500	5	1,000	200	5	5	480	0.2	10,000	NE	NE	200	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
HOTV Discharge Limits		300	NE	4,000	NE	4,000	NE			690	4,100	NE	4,200	Total Toxic Organics (TTO) < 2,130																	NE	1,900	NE	100	NE	5-9					
Sample Location	**Sample Date**																																								
	12/15/03	-	-	850	54	<2.6	-	43,000	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	7.00	-	-	-	-	-
	12/15/03D	-	-	690	59	<2.6	-	46,000	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	-	-	-	-	-	-
	4/20/04	-	-	260	1.1	<2.7	-	<32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/30/04	-	-	230	2.5	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/28/04	-	-	320	<0.52	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/29/05	-	-	460	2	<2.7	–	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.31	1,510	-	-	-	-
MW-12	1/10/00	-	-	-	24,000	27,000	-	-	-	-	-	-	-	-	<0.25	<0.25	1.4	<0.25	<0.25	<0.25	0.88	<0.25	<0.25	<0.1	3.3	<0.25	<0.25	<0.1	<0.25	<0.25	6	-	-	-	-	-	-	-	-	-	-	-
	1/10/00	-	-	-	27,000	40,000	-	-	-	-	-	-	-	-	<0.25	<0.25	1.6	<0.25	<0.25	<0.25	0.88	<0.25	<0.25	<0.1	3.6	<0.25	<0.25	<0.1	<0.25	<0.25	6	-	-	-	-	-	-	-	-	-	-	-
	2/17/00	-	-	-	48,000	42,000	-	-	-	-	-	-	-	-	<0.25	<0.25	<0.25	<0.25	1.5	<0.25	<0.25	<0.25	<0.25	<0.1	3.9	<0.25	<0.25	<0.1	<0.25	<0.25	5	-	-	-	-	-	-	-	-	-	-	-
	6/29/01	-	-	28	35,000	40,000	-	1,500	-	-	-	-	-	-	<1	<1	<1	<1	<1	<1	5.3	<1	<1	<0.4	1.9	<1	<1	<0.4	<1	<1.0	7	-	-	-	-	-	-	-	-	-	-	-
	9/20/01	-	-	28	35,000	37,000	-	1,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/4/01	-	-	36	31,000	31,000	-	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/15/01	-	-	28	34,000	32,000	-	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/30/01	-	-	30	32,000	28,000	-	62,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/14/01	-	-	34	34,000	29,000	-	92,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/19/02	-	-	26	21,000	15,000	-	61,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	12/30/02	-	-	-	20,000	21,000	-	120,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	6/17/03	-	-	39	16,000	19,000	-	12,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	9/24/03	-	-	43	7,500	7,000	-	37,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	12/10/03	-	-	39	6,600	7,400	-	38,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	4/15/04	-	-	47	3,100	3,200	-	560	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/22/04	-	-	48	2,400	2,500	-	190	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/11/04	-	-	46	4,300	4,100	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/16/04	-	-	55	1,400	1,400	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/16/04	-	-	54	1,200	1,400	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/30/05	-	-	50	1,400	2,300	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.79	-	-	-	-	-
	6/28/05	-	-	-	<0.52	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.22	-	-	-	-	-
	9/14/05	-	-	-	280	280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.69	-	-	-	-	-
	12/14/05	-	-	-	110	86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.91	-	-	-	-	-
	3/10/06	-	-	-	480	570	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.03	-	-	-	-	-
	6/14/06	-	-	-	190	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.67	-	-	-	-	-
	9/12/06	-	-	-	240	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.80	-	-	-	-	-
	1/2/07	-	-	-	43	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.66	-	-	-	-	-
	3/29/07	-	-	-	74	<6.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.79	-	-	-	-	-
	6/6/07	-	-	-	37	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/10/07	-	-	-	41	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.44	1,392	-	-	-	-
	10/1/07	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.97	<0.37	1.4	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	1.4	-	-	-	-	-	6.86	1,480	-	-	-	-
	10/01/07[2]	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.97	<0.37	1.5	<0.56	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	1.5	-	-	-	-	-	6.86	1,480	-	-	-	-
	4/30/08	-	-	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/26/08	-	-	-	17.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.59	1576	-	-	-	-
	4/17/09	-	-	-	7.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/23/09	-	-	-	7.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.7	1350	-	-	-	-
	3/29/10	-	-	-	1.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.8	1,200	-	-	-	-
	9/23/10	-	-	-	<.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.62	2,000	-	-	-	-
	3/17/11	-	-	-	<1.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.14	2,910	-	-	-	-
	9/22/11[DU]	-	-	-	6.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.95	1,410	-	-	-	-
	3/21/12	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.29	1,210	-	-	-	-
	9/13/12	-	-	-	5.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.29	1,210	-	-	-	-
	4/30/13	-	-	-	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.27	2,340	-	-	-	-
	9/24/13	-	-	-	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.27	2,340	-	-	-	-
	5/14/14	-	-	-	5.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.83	930	-	-	-	-
	9/19/14	-	-	-	5.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.81	1,280	-	-	-	-
	4/16/15	-	-	-	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.02	6,020	-	-	-	-
MW-13	1/10/00	-	-	-	1	<4.2	-	-	-	-	-	-	-	-	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.1	<0.25	<0.25	<0.25	<0.1	<0.25	<0.25	0	-	-	-	-	-	-	-	-	-	-	-
	2/17/00	-	-	-	4	7	-	-	-	-	-	-	-	-	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.1	<0.25	<0.25	<0.25	<0.1	<0.25	<0.25	0	-	-	-	-	-	-	-	-	-	-	-
	6/29/01	-	-	-	10	<4.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/14/03	-	-	230	110	<20	-	100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	6/17/03	-	-	660	65	<2.6	-	490,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	9/24/03	-	-	250	61	7	-	48,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	12/10/03	-	-	250	110	<2.6	-	81,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	4/20/04	-	-	600	<1.1	<2.7	-	<32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/23/04	-	-	500	3	<2.7	-	270	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/12/04	-	-	160	<0.52	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/21/04	-	-	270	<0.52	<2.7	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/30/05	-	-	460	<0.52	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.79	-	-	-	-	-
MW-14	3/22/00	-	-	-	1	<4.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/22/00	-	-	-	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/29/01	-	-	-	12	<4.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/14/03	-	-	43	49	<20	-	36,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	6/17/03	-	-	50	64	<2.6	-	41,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	9/24/03	-	-	55	170	5	-	120,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	12/10/03	-	-	59	200	<2.6	-	140,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	4/20/04	-	-	76	<1.1	<2.7	-	<32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/23/04	-	-	81	4	<2.7	-	350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/12/04	-	-	100	3	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/21/04	-	-	130	1	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/30/05	-	-	150	1	<2.7	-	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.45	-	-	-	-	-
MW-15	12/10/03[3]	-	-	41	33	<2.6	-	13,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	4/14/04	-	-	110	2	<2.7	-	230	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	-	-	-	-	-	-
	6/22/04	-	-	95	2	<2.7	-	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/11/04	-	-	99	<0.52	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/16/04	-	-	75	1	<2.7	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/19/05	-	-	90	1	<5	-	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.19	-	-	-	-	-
MW-16	12/9/03[3]	-	-	34	<0.93	<2.6	-	510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	4/14/04	-	-	49	4	<2.7	-	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/23/04	-	-	25	2	<2.7	-	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/12/04	-	-	30	<0.52	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/16/04	-	-	32	1	<2.7	-	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/19/05	-	-	59	1	<5	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.23	-	-	-	-	-
MW-17	12/9/03	-	-	140	51	<2.6	-	39,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-

Table 2
Groundwater Analytical Results
Wisconsin Chrome, Kaukauna, Wisconsin / Project #58127047

		Mercury (ug/L)	Cadmium (ug/L)	Chloride (mg/L)	Total Chromium (ug/L)	Hexavalent Chromium (ug/L)	Copper (ug/l)	Iron (ug/l)	Sulfate Dissolved (mg/l)	Sulfide Dissolved (ug/l)	Lead (ug/l)	Nickel (ug/l)	Silver (ug/l)	Zinc (ug/l)	Chloroethane (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Ethylbenzene (ug/L)	Methylene Chloride (ug/L)	Methyl isobutyl ketone (MIBK) (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	Trichloroethene (ug/L)	1,3,5-Trimethylbenzene (ug/L)	Vinyl Chloride (ug/L)	Xylenes (ug/L)	Total VOCs (ug/L)	BOD (mg/L)	Cyanide (mg/L)	Phosphorous, total (mg/L)	Oil & Grease, total (mg/L)	Suspended Solids, total (mg/L)	pH	Conductivity	Manganese (ug/L)	Nitrogen,Nitrate-Dissolved (mg/L)	TOC as NPOC (mg/L)	TOC as NPOC (DOC)-Dissolved (mg/L)
		Metals													Volatile Organic Compounds (VOC)																	Other											
NR 140 PAL		0.5	125	10	10	130	150	125	NE	1.5	20	10	NE	80	0.6	85	0.5	0.7	140	0.5	50	0.5	200	40	0.5	0.5	96	0.02	1,000	NE	NE	40	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
NR 140 ES		5	250	100	100	1,300	300	250	NE	15	100	50	NE	400	6	850	5	7	700	5	500	5	1,000	200	5	5	480	0.2	10,000	NE	NE	200	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
HOTV Discharge Limits		300	NE	4,000	NE	4,000	NE			690	4,100	NE	4,200									Total Toxic Organics (TTO) < 2,130									NE	1,900	NE	100	NE	5-9					
Sample Location	**Sample Date**																																									
	4/20/04	-	-	*160*	<1.1	<2.7	-	<32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/23/04	-	-	*150*	*48*	<2.7	-	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/12/04	-	-	*130*	<0.52	<2.7	-	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/28/04	-	-	*160*	<0.52	<2.7	-	**320**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/19/05	-	-	*160*	<0.52	<2.7	-	**730**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.62	-	-	-	-	-
MW-18	12/15/03	-	-	**1,100**	15	<2.6	-	**12,000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	4/20/04	-	-	**660**	1.3	<2.7	-	<32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/23/04	-	-	**780**	1.6	<2.7	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/28/04	-	-	**780**	1.7	<2.7	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/29/05	-	-	**680**	5.3	<2.7	-	<18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19	9/26/08	-	-	*64*	-	-	-	-	-	-	-	-	-	-	<0.97	<1.3	4.40	<0.36	*1.50*	<0.54	<0.43	-	<0.45	<0.67	20.3	<0.42	<0.48	<0.83	<0.18	<2.63	26.2	-	-	-	-	-	-	7.11	789	-	-	-	-
	12/12/08	-	-	9.2	<1.1	< 0.00 34	-	25.5	-	45.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<.17	-	-	-	692	< 0.085	-	2.40
	4/17/09	-	-	-	*78*	-	-	-	-	-	-	-	-	-	<0.97	<1.3	7.8	<0.36	*3.1*	<0.54	<0.43	-	<0.45	<0.67	27	<0.42	<0.48	<0.83	<0.18	<1.8	37.9	-	-	-	-	-	-	-	-	-	-	-	-
	9/23/09 [Q]	-	-	-	*20*	-	-	-	-	-	-	-	-	-	<1.0	<0.20	3.7	<0.50	*0.98*	<0.50	<1.0	-	<0.50	<0.50	9.0	<0.25	<0.20	<0.20	<0.20	<0.50	13.7	-	-	-	-	-	-	-	-	-	-	-	-
	3/29/10	-	-	-	*41*	-	-	-	-	-	-	-	-	-	<1.0	<0.20	2.1	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	3.9	<0.25	<0.20	<0.20	<0.20	<0.50	6.0	-	-	-	-	-	-	7.0	775	-	-	-	-
	9/2 3/10 [2]	-	-	-	<10	-	-	-	-	-	-	-	-	-	<1.0	<0.20	1.2	<0.50	*0.70*	<0.50	<1.0	-	<0.50	<0.50	7.3	<0.25	<0.20	<0.20	<0.20	<0.50	9.2	-	-	-	-	-	-	7.21	620	-	-	-	-
	3/17/11	-	-	-	<1.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.20	250	-	-	-	-
	9/22/2 011 [TT,UU]	-	-	-	*2.4*	-	-	-	-	-	-	-	-	-	<1.0	<0.20	0.66	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	0.98	<0.25	<0.20	<0.20	<0.20	<0.50	1.6	-	-	-	-	-	-	7.03	610	-	-	-	-
	3/21/12 [VV]	-	-	-	5.7	-	-	-	-	-	-	-	-	-	<1.0	<0.20	2.1	<0.50	*1.0*	<0.50	<1.0	-	<0.50	<0.50	9.2	<0.25	<0.50	<0.20	<0.20	<0.50	12.3	-	-	-	-	-	-	7.47	450	-	-	-	-
	3/21/12 [ZZ,AEE]	-	-	-	-	-	-	-	-	-	-	-	-	-	<1.0	<0.20	2.5	<0.50	*0.71*	<0.50	<1.0	-	<0.50	<0.50	8.3	<0.25	<0.20	<0.20	<0.20	<0.50	11.5	-	-	-	-	-	-	-	-	-	-	-	-
	9/13/12 [ZZ,AEE]	-	-	-	<2.0	-	-	-	-	-	-	-	-	-	<1.0	<0.20	2.5	<0.50	*0.71*	<0.50	<1.0	-	<0.50	<0.50	8.3	<0.25	<0.20	<0.20	<0.20	<0.50	11.5	-	-	-	-	-	-	-	-	-	-	-	-
	9/24/13 [ZZ,AEE]	-	-	-	5.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.83	780	-	-	-	-
	9/19/14	-	-	-	*10.3*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20	4/8/09	-	-	94.6	**78,300**	*94.2*	-	<6.9	*153*	<2.3	-	-	-	-	<242	<325	**1,170**	<90	**2,960**	<135	<108	-	<112	<168	**29,800**	<105	<120	< 208	<45	<450	33,930	-	-	<0.68	-	-	-	-	-	102,000	188	<4.2	4.9
	4/27/09	-	-	64.7	**411**	<17	-	**799,000**	**6,990**	15.0	-	-	-	-	<97	<130	*766*	<36	**167**	<54	**89.2**	-	<45	<67	**14,600**	<42	<48	<83	<18	<180	15,622	-	-	1.0	-	-	-	-	-	2,460,000	10,900	0.30	33.7
	5/21/09	-	-	35.3	*58.8*	<17	-	**169,000**	**1,250**	1.8	-	-	-	-	<48.5	<65	*298*	<18	**54.6**	<27	<21.5	-	<22.5	<33.5	**5,410**	<21	<24	<41.5	<9	<90	5,763	-	-	0.35	-	-	-	-	-	449,000	8,220	0.16	10.6
	6/18/09	-	-	13.7	*8.9*	<20	-	**32,200**	**488**	<1.7	-	-	-	-	<48.5	<65	*190*	<18	**39.4**	<27	<21.5	-	<22.5	<33.5	**2,780**	<21	<24	<41.5	<9	<90	3,009	-	-	<0.25	-	-	-	-	-	102,000	2,030	<0.25	5.8
	7/15/09	-	-	26.8	*44.6*	<3.9	-	**180,000**	**761**	8.6	-	-	-	-	<48.5	<65	*359*	<18	<28.5	<27	<21.5	-	<22.5	<33.5	**8,970**	<21	<24	<41.5	<9	<90	9,328	-	-	0.25	-	-	-	-	-	440,000	8,350	<0.25	12.0
	9/23/10 [AA]	-	-	-	<10	-	-	-	-	-	-	-	-	-	19.0	*0.89*	*300*	*3.1*	**100**	<0.50	**6.5**	-	<0.50	<0.50	**4,300**	**5.1**	**13**	<0.20	**2.1**	<0.50	4,750	-	-	-	-	-	-	6.93	1,550	-	-	-	-
	3/17/11	-	-	-	<1.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.40	1,660	-	-	-	-
	9/22/11 [W]	-	-	-	-	-	-	-	-	-	-	-	-	-	<50	<10	*420*	<25	**240**	<25	<50	-	<25	<25	**4,900**	<13	**17**	<10	<10	<25	5,577	-	-	-	-	-	-	6.95	675	-	-	-	-
	3/21/12 [AE,AI]	-	-	-	1.5	-	-	-	-	-	-	-	-	-	4.0	0.28	*120*	*1.1*	**25**	<0.50	*1.6*	-	<0.50	<0.50	**990**	*1.7*	*3.4*	<0.20	<0.20	<0.50	1,147	-	-	-	-	-	-	7.58	880	-	-	-	-
	9/13/12 [AE,AI]	-	-	-	<2.0	-	-	-	-	-	-	-	-	-	<38.8	<5.2.0	**3,070**	**19.5**	**950**	<21.6	<17.2	-	<18.0	<26.8	*92*	<16.8	<19.2	<33.2	<7.2	<105.2	3,702	-	-	-	-	-	-	7.58	880	-	-	-	-
	9/25/13 [AE,AI]	-	-	-	<1.2	-	-	-	-	-	-	-	-	-	<9.7	<17.2	**1,120**	<11.9	**224**	<12.5	<9.0	-	<11.8	<11.0	26	<9.7	<9.1	<12.5	<4.6	<32.9	1,370	-	-	-	-	-	-	7.58	880	-	-	-	-
	9/18/14	-	-	-	<2.1	-	-	-	-	-	-	-	-	-	19.8	<50.0	*162*	<3.4	**123**	<10.0	**15.7**	-	<10.0	<10.0	**1,260**	<3.1	<6.6	<10.0	<3.5	<30.0	1,581	-	-	-	-	-	-	11.34	1,130	-	-	-	-
MW-21	1/1/19/13	-	-	57.4	*26.1*	29.4	-	<14.0	66.6	<2.3	-	-	-	-	73.1	<0.69	*120*	-	**156**	<0.50	<0.36	-	<0.47	<0.44	**572**	*2.0*	**6.8**	<0.50	**9.3**	<1.32	939.2	-	-	<0.088	-	-	-	6.75	1,131	<0.34	<0.75	3.20	-
	12/19/13	-	-	63.9	*22.6*	25.6	-	<14.0	71.1	<2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	<0.088	-	-	-	7.00	1,306	-	<1.5	2.30	-
	1/21/14	-	-	-	-	-	-	-	-	-	-	-	-	-	65.6	<6.9	*124*	-	**140**	<5.0	<3.6	-	<4.7	<4.4	**496**	<3.9	**6.5**	<5.0	**7.1**	<13.2	839.2	-	-	-	-	-	-	6.91	1,396	<3.4	-	-	-
	3/11/14	-	-	-	-	-	-	-	-	-	-	-	-	-	50.5	<6.9	*119*	-	**137**	<5.0	<3.6	-	<4.7	<4.4	**467**	<3.9	**5.5**	<5.0	**4.1**	<13.2	783.1	-	-	-	-	-	-	6.91	1,276	<3.4	-	-	-
	7/28/14	-	-	79.2	*30.3*	32.3	-	<12.9	94.3	<2.3	-	-	-	-	52.5	<25.0	*122*	-	**144**	<5.0	<2.3	-	<5.0	<5.0	**513**	<1.6	**7.0**	<5.0	**5.3**	<10.5	843.8	-	-	<0.069	-	-	-	7.04	1,661	<1.4	0.66	-	-
	8/19/14	-	-	70.6	*22.5*	18.8	-	23.4	**381**	<2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	<0.10	-	-	-	5.92	1,926	-	<0.75	-	-
	8/20/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	3.50	-
	9/23/14	-	-	92.0	1.99	0.12	-	235	**409**	<2.3	-	-	-	-	25.3	<6.2	72.9	-	**32.1**	<1.2	*1.5*	-	<1.2	<1.2	**318**	*1.0*	*3.9*	<1.2	<0.44	<3.7	454.7	-	-	<0.052	-	-	-	6.60	1,964	<0.36	<0.15	3.60	-
	10/21/14	-	-	67.4	0.753	0.18	-	21.4	**290**	<2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	0.073	-	-	-	6.73	1,668	-	<0.15	2.30	-
	12/18/14	-	-	59.5	1.3	0.67	-	35.7	**310**	<2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	<0.052	-	-	-	6.75	1,831	-	<0.15	2.20	-
MW-22	1/19/13	-	-	36.5	4.74	6.6	-	15.6	1.18	<2.3	-	-	-	-	0.80	<0.69	22.2	-	**64.3**	<0.50	*3.2*	-	*0.90*	<0.44	**364**	<0.39	**10.0**	<0.50	<0.18	<1.32	465.4	-	-	<0.088	-	-	-	7.56	663.2	<0.34	1.1	0.75	-
	12/19/13	-	-	34.6	5.06	5.4	-	78.3	1.13	<2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	<0.088	-	-	-	7.70	770.8	-	1.3	0.75	-
	1/21/14	-	-	-	-	-	-	-	-	-	-	-	-	-	<1.8	<2.8	24.2	-	**56.7**	<2.0	**21.4**	-	<1.9	<1.8	**341**	<1.6	**8.2**	<2.0	<0.74	<5.3	451.5	-	-	-	-	-	-	7.71	686	<1.4	-	-	-
	3/11/14	-	-	-	-	-	-	-	-	-	-	-	-	-	<1.8	<2.8	22.9	-	**77.2**	<2.0	*4.7*	-	<1.9	<1.8	**376**	<1.6	**10.0**	<2.0	<0.74	<5.3	490.8	-	-	-	-	-	-	7.58	747	<1.4	-	-	-
	7/31/14	-	-	68.6	-	0.63	-	92.3	**346**	<2.3	-	-	-	-	<1.5	<10.0	34.8	-	**28.4**	<2.0	**8.0**	-	<2.0	<2.0	**584**	<0.62	**10.6**	<2.0	<0.70	<6.0	665.8	-	-	<0.052	-	-	-	6.72	1,365	<0.57	0.54	-	-
	8/19/14	-	-	71.5	1.09	0.27	-	35.5	**466**	<2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	<0.052	-	-	-	7.07	1,528	-	<1.5	-	-
	8/20/14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	1.1	-
	9/24/14	-	-	102	3.54	1.3	-	38.5	**377**	<2.3	-	-	-	-	<1.5	<10.0	28.9	-	**18.2**	<2.0	**7.1**	-	<2.0	<2.0	**397**	<0.62	**9.5**	<2.0	<0.70	<6.0	460.7	-	-	<0.052	-	-	-	7.04	1,526	<0.57	1.7	1.3	-
	10/21/14	-	-	106	1.81	2.0	-	21.4	**376**	<2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	0.062	-	-	-	6.63	1,525	-	1.7	0.67	-
	12/18/14	-	-	107	2.87	2.9	-	25.7	**318**	<2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	0.39	-	-	-	7.10	1,841	-	1.5	0.55	-
Injection Well	4/8/09	-	-	*195*	**123,000**	**144**	-	<6.9	**296**	-	-	-	-	-	<485	<650	**3,760**	<180	**10,900**	<270	<215	-	<225	<335	**81,700**	<210	<240	<415	<90	<900	96,360	-	-	<0.68	-	-	-	-	-	218	<4.2	9.0	8.3
	4/27/09	-	-	16.5	*36.2*	<17	-	**546,000**	**5,540**	8.4	-	-	-	-	<24.2	<32.5	*159*	<9.0	**24**	<13.5	**33.9**	-	<11.2	<16.8	**3,140**	<10.5	<12.0	<20.8	<4.5	<45.0	3,357	-	-	0.36	-	-	-	-	-	9,810	0.24	35.9	33.7
	5/21/09	-	-	14.0	*22.7*	<17	-	**256,000**	**1,260**	5.6	-	-	-	-	<24.2	<32.5	*249*	<9.0	**31.2**	<13.5	<10.8	-	<11.2	<16.8	**4,990**	<10.5	<12	<20.8	<4.5	<45	5,270	-	-	<0.25	-	-	-	-	-	7,040	0.17	13.8	11.9
	6/18/09	-	-	36.3	*42.4*	<20	-	**242,000**	**2,150**	5.6	-	-	-	-	<38.8	<52.0	*423*	<14.4	**31**	<21.6	<17.2	-	<18	<26.8	**7,240**	<16.8	<19.2	<33.2	<7.2	<72	7,694	-	-	0.25	-	-	-	-	-	7,960	<0.25	10.0	9.8
	7/15/09	-	-	10.3	2.3	<3.9	-	**215,000**	**1,080**	7.2	-	-	-	-	<19.4	<26	*110*	<7.2	**24.5**	<10.8	<8.6	-	<9	<13.4	**1,330**	<8.4	<9.6	<16.6	<3.6	<36	1,465	-	-	0.25	-	-	-	-	-	7,570	<0.25	14.2	8.3
P-1A	12/11/03 [C]	-	-	21	3	<2.6	-	**1,400**	-	-	-	-	-	-	<0.24	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	-	7.00	-	-	-	-	-
	4/28/04	-	-	19	2	<2.7	-	110	-	-	-	-	-	-	<0.97	<0.37	2.3	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	2.3	-	-	-	-	-	-	-	-	-	-	-	-
	6/29/04	-	-	*27*	<0.52	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/5/04	-	-	25	<0.52	<2.7	-	<17	-	-	-	-	-	-	<0.97	<0.37	2.2	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0.0	-	-	-	-	-	-	-	-	-	-	-	-
	12/27/04	-	-	22	<0.52	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/29/05	-	-	25	1	<2.7	-	<18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.44	-	-	-	-	-
P-2A	12/9/03 [C]	-	-	15	**380**	**400**	-	**4,100**	-	-	-	-	-	-	<0.97	<0.37	1.4	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	3.7	<0.42	<0.48	<0.83	<0.18	<2.63	5	-	-	-	-	-	-	7.00	-	-	-	-	-
	4/2 9/04 [E]	-	-	26	<1.1	<2.7	-	<32	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	-	-	-	-	-	-	-
	6/22/04	-	-	6.5	2	<2.7	-	<8	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	-	-	-	-	-	-	-
	10/7/04	-	-	3.3	0.91	<2.7	-	<17	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	-	-	-	-	-	-	-
	12/15/04	-	-	6.2	1.1	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/30/05	-	-	5.7	3	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.51	-	-	-	-	-
	9/14/05	-	-	-	0.81	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.39	-	-	-	-	-
	9/14/06	-	-	-	<1.3	<6.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.88	-	-	-	-	-
	9/11/07	-	-	-	<0.43	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.64	545	-	-	-	-
P-2B	12/10/03	-	-	3.5	**410**	*98*	-	**74,000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	12/10/03 [3]	-	-	3.5	**350**	**340**	-	**48,000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/15/04	-	-	12	1.6	<2.7	-	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/22/04	-	-	3.6	0.53	4	-	<8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/7/04	-	-	3.3	<0.52	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/15/04	-	-	3.2	3.9	<2.7	-	*290*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/30/05	-	-	3.3	0.74	<2.7	-	**490**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.33	-	-	-	-	-
	10/1/07	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	-	8.73	219	-	-	-	-
P-4	2/7/97	-	-	-	**183**	-	-	-	-	-	-	-	-	-	<1.0	-	<1.0	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/4/97	-	-	-	**141**	-	-	-	-	-	-	-	-	-	<1.0	-	<1.0	-	<0.5	-	-	-	-	-	<0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/21/97	-	-	-	<5.0	*33*	-	-	-	-	-	-	-	-	<2	<2	<2	<2	<2	<2	<2	<10	<2	<2.0	<2	<2	<2	<2	<2	<2.0	0	-	-	-	-	-	-	-	-	-	-	-	-
	2/5/98	-	-	-	*42*	<10.0	-	-	-	-	-	-	-	-	<10.0	<5.0	<10.0	<5.0	<5.0	<10.0	<5.0	<50.0	**10**	<10	<5.0	<5.0	**10**	<10.0	<2.0	<10	20	-	-	-	-	-	-	-	-	-	-	-	-
	5/22/98	-	-	-	*22*	*18*	-	-	-	-	-	-	-	-	<1.0	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.2	<1.0	0	-	-	-	-	-	-	-	-	-	-	-	-
	8/20/98	-	-	-	*12*	<10.0	-	-	-	-	-	-	-	-	<1.0	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.2	<1.0	0	-	-	-	-	-	-	-	-	-	-	-	-
	1/18/99	-	-	-	*17*	<4.2	-	-	-	-	-	-	-	-	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.94	<0.25	<0.25	<0.1	<0.25	<0.25	1	-	-	-	-	-	-	-	-	-	-	-	-
	2/16/99	-	-	-	1	<4.2	-	-	-	-	-	-	-	-	<1.2	<0.18	<0.25	<0.20	<0.73	<0.38	<0.87	<0.14	<0.63	<0.39	<0.28	<0.15	<0.49	<0.33	<0.46	<1.0	0	-	-	-	-	-	-	-	-	-	-	-	-
	7/2/01	-	-	-	*25*	<4.2	-	-	-	-	-	-	-	-	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.3	<0.25	<0.25	<0.10	<0.25	<0.25	<0.25	<0.1	<0.25	<0.25	0	-	-	-	-	-	-	-	-	-	-	-	-

Table 2
Groundwater Analytical Results
Wisconsin Chrome, Kaukauna, Wisconsin / Project #58127047

		Metals													Volatile Organic Compounds (VOC)																		Other								
		Mercury (ug/L)	Cadmium (ug/L)	Chloride (mg/L)	Total Chromium (ug/L)	Hexavalent Chromium (ug/L)	Copper (ug/l)	Iron (ug/l)	Sulfate Dissolved (mg/l)	Sulfide Dissolved (ug/l)	Lead (ug/l)	Nickel (ug/l)	Silver (ug/l)	Zinc (ug/l)	Chloroethane (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Ethylbenzene (ug/L)	Methylene Chloride (ug/L)	Methyl isobutyl ketone (MIBK) (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	Trichloroethene (ug/L)	1,3,5-Trimethylbenzene (ug/L)	Vinyl Chloride (ug/L)	Xylenes (ug/L)	Total VOCs (ug/L)	BOD (mg/L)	Cyanide (mg/L)	Phosphorous, total (mg/L)	Oil & Grease, total (mg/L)	Suspended Solids, total (mg/L)	pH	Conductivity	Manganese (ug/L)	Nitrogen,Nitrate-Dissolved (mg/L)	TOC as NPOC (mg/L)	TOC as NPOC (DOC)-Dissolved (mg/L)
NR 140 PAL		0.5	125	10	10	130	150	125	NE	1.5	20	10	NE	80	0.6	85	0.5	0.7	140	0.5	50	0.5	200	40	0.5	0.5	96	0.02	1,000	NE	NE	40	NE	NE	NE	NE	NE	NE	NE	NE	NE
NR 140 ES		5	250	100	100	1,300	300	250	NE	15	100	50	NE	400	6	850	5	7	700	5	500	5	1,000	200	5	5	480	0.2	10,000	NE	NE	200	NE	NE	NE	NE	NE	NE	NE	NE	NE
HOTV Discharge Limits		300	NE	4,000	NE	4,000	NE			690	4,100	NE	4,200										Total Toxic Organics (TTO) < 2,130								NE	1,900	NE	100	NE	5-9				
Sample Location	**Sample Date**																																							
	9/20/01	-	-	11	0.93	<4.2	-	19,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/4/01	-	-	<5	16	<4.2	-	2,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/15/01	-	-	<5	2	<4.2	-	<42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/29/01	-	-	5.5	49	15	-	7,900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/14/01	-	-	<5	130	9	-	38,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/19/02	-	-	3.7	220	<12	-	94,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-
	12/30/02	-	-	-	42	<20	-	16,000	-	-	-	-	-	-	<0.84	<0.45	<0.87	<0.55	<0.56	<0.53	<0.47	-	<0.63	<0.84	<0.65	<0.50	<0.39	<0.64	<0.11	<1.83	0	-	-	-	-	-	7.00	-	-	-	-
	6/17/03	-	-	3.7	19	<2.6	-	8,300	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	7.00	-	-	-	-
	9/24/03	-	-	3.4	27	<2.6	-	13,000	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	7.00	-	-	-	-
P-4A*	12/11/03	-	-	4.1	12	<2.6	-	6,200	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	7.00	-	-	-	-
	4/20/04	-	-	4.0	<1.1	6.3*	-	<32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-
	6/23/04	-	-	3.7	0.96	<2.7	-	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/12/04	-	-	5.1	0.73	<2.7	-	<17	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	-	-	-	-	-
	12/21/04	-	-	5.1	<0.52	<2.7	-	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/30/05	-	-	5.3	<0.52	<2.7	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.92	-	-	-	-
	9/14/05	-	-	-	<0.62	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.28	-	-	-	-
	9/13/06	-	-	-	<1.9	<6.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.99	-	-	-	-
	9/10/07	-	-	-	1.2	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.16	257	-	-	-
	9/23/09	-	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.9	350	-	-	-
	9/22/11	-	-	-	<1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.84	290	-	-	-
	9/25/13	-	-	-	<1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.84	290	-	-	-
P-6A	12/15/03	-	-	-	11	-	-	2,300	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	7.00	-	-	-	-
	4/28/04	-	-	6.9	0.95	<2.7	-	56	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	-	-	-	-	-
	6/28/04	-	-	4.2	4.6	<2.7	-	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/28/04	-	-	3.8	1.2	<2.7	-	27	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	-	-	-	-	-
	12/27/04	-	-	3.6	0.77	<2.7	-	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/30/05	-	-	4.2	<0.52	<2.7	-	<17	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	7.97	-	-	-	-
	9/14/05	-	-	-	<0.62	<5.0	-	-	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	7.11	-	-	-	-
	9/13/06	-	-	-	<1.9	<6.8	-	-	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	7.86	-	-	-	-
	9/10/07	-	-	-	0.44	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.99	323	-	-	-
	4/8/09	-	-	2.3	1.0	<3.4	-	<6.9	36.4	<2.3	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<1.8	0	-	-	<0.17	-	-	-	-	0.59	0.79	<1.4	<1.4
	9/23/09	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.70	410	-	-	-	-
	9/23/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.39	1,050	-	-	-	-
	9/22/11	-	-	-	-	<1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.60	310	-	-	-	-
	9/25/13	-	-	-	-	<1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.60	310	-	-	-	-
P-6B	12/11/03	-	-	5.8	4.8	<2.6	-	2,400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-
	4/28/04	-	-	2.2	0.56	<2.7	-	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/28/04	-	-	2.5	1.2	<2.7	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/28/04	-	-	2.7	0.87	<2.7	-	<18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/27/04	-	-	2.8	<0.52	<2.7	-	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/1/07	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	8.31	167	-	-	-
	3/30/05	-	-	3.6	<0.65	<2.7	-	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.38	-	-	-	-
	9/14/05	-	-	-	<0.62	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.51	-	-	-	-
	9/13/06	-	-	-	<1.9	<6.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.38	-	-	-	-
	9/10/07	-	-	-	48	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.40	223	-	-	-
	9/23/09	-	-	-	<2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.60	395	-	-	-
	9/23/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.95	1,110	-	-	-	-
	9/22/11	-	-	-	<1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.72	180	-	-	-	-
	9/25/13	-	-	-	<1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.72	180	-	-	-	-
P-6C	1/21/14	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.44	<0.69	<0.28	<0.48	<0.43	<0.50	<0.36	-	<0.47	<0.44	0.45	<0.39	<0.36	<0.50	<0.18	<1.32	0.45	-	-	-	-	-	5.86	583	-	-	-	-
	3/10/14	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.44	<0.69	<0.28	<0.48	<0.43	<0.50	<0.36	-	<0.47	<0.44	<0.44	<0.39	<0.36	<0.50	<0.18	<1.32	0	-	-	-	-	-	5.83	335	-	-	-	-
	7/28/14	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.37	<2.5	<0.24	<0.17	<0.41	<0.50	<0.23	-	<0.50	<0.50	<0.50	<0.16	<0.33	<0.50	<0.18	<1.5	0	-	-	-	-	-	5.39	390.4	-	-	-	-
	9/23/14	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.37	<2.5	<0.24	<0.17	<0.41	<0.50	<0.23	-	<0.50	<0.50	<0.50	<0.16	<0.33	<0.50	<0.18	<1.5	0	-	-	-	-	-	5.42	322	-	-	-	-
P-7A	12/11/03	-	-	120	7,600	7,300	-	3,600	-	-	-	-	-	-	<39	<15	450	<14	390	<22	<17	-	<18	<27	4,700	<17	<19	<33	<7.2	<105	5,540	-	-	-	-	-	7.00	-	-	-	-
	4/21/04	-	-	100	74	64	-	<32	-	-	-	-	-	-	<19	<7.4	540	<7.2	130	<11	<8.6	-	<9.0	<13	1,800	<8.4	<9.6	<17	<3.6	<53	2,470	-	-	-	-	-	-	-	-	-	-
	6/28/04	-	-	140	20	4	-	78	-	-	-	-	-	-	<9.7	<3.7	1,200	8.9	190	<5.4	8.0	-	<4.5	<6.7	1,500	<5.2	<6.7	2.6	<3.6	<53	2910	-	-	-	-	-	-	-	-	-	-
	9/28/04	-	-	120	4.9	<2.7	-	<18	-	-	-	-	-	-	<9.7	<3.7	1,100	8.5	130	<5.4	<4.3	-	<4.5	<6.7	1,000	8.4	<4.8	<8.3	<1.8	<2.63	2247	-	-	-	-	-	-	-	-	-	-
	12/21/04	-	-	130	9.9	<2.7	-	19	-	-	-	-	-	-	<19	<7.4	1,300	<7.2	120	<11	<8.6	-	13	<13	500	<8.4	<9.6	<17	<3.6	<53	1,933	-	-	-	-	-	-	-	-	-	-
	12/21/04UF	-	-	-	7.6	<2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/18/05	-	-	110	2.4	<5	-	<18	-	-	-	-	-	-	<9.7	<3.7	1,300	<5.6	110	<5.4	6.3	-	<4.5	<6.7	400	<4.2	<4.8	<8.3	<1.8	<26.3	1816	-	-	-	-	-	7.99	-	-	-	-
	6/28/05	-	-	-	8.5	<5	-	-	-	-	-	-	-	-	<19	<7.4	1,800	9.6	140	<11	<8.6	-	<9	<13	300	<8.4	<9.6	<17	<3.6	<53	2249	-	-	-	-	-	6.89	-	-	-	-
	9/14/05	-	-	-	20	12	-	-	-	-	-	-	-	-	<19	<7.4	1,900	<7.2	150	<11	11	-	<9.0	<13	170	<8.4	<9.6	<17	<3.6	<53	2237	-	-	-	-	-	7.13	-	-	-	-
	12/14/05	-	-	-	4.8	<5.0	-	-	-	-	-	-	-	-	<24	<9.2	3,000	14	-	<14	<11	-	<11	<17	250	<10	<12	<21	<4.5	<66	3534	-	-	-	-	-	7.83	-	-	-	-
	3/10/06	-	-	-	7.9	<5.0	-	-	-	-	-	-	-	-	<9.7	<3.7	1,600	8.6	140	<5.4	5.3	-	<4.5	<6.7	140	4.4	<4.8	<8.3	<1.8	<26.3	1898	-	-	-	-	-	7.43	807	-	-	-	-
	6/14/06	-	-	-	5.8	<6.8	-	-	-	-	-	-	-	-	<19	<7.4	2,300	13	200	<11	<8.6	-	<9	<13	150	9.3	<9.6	<17	<3.6	<53	2672	-	-	-	-	-	7.25	1,107	-	-	-	-
	9/13/06	-	-	-	19	<6.8	-	-	-	-	-	-	-	-	<19	<7.4	3,000	17	340	<11	11	-	<9.0	<13	170	9.2	<9.6	<17	<3.6	<53	3547	-	-	-	-	-	7.36	1,116	-	-	-	-
	12/20/06	-	-	180	4	<6.8	-	<50	140	<2.5	-	-	-	-	<240	<92	2,300	<90	4,000	<140	<110	-	4	<170	32,000	<100	<120	<210	<45	<660	38300	-	-	-	-	-	7.70	1,141	-	-	-	-
	1/1/20/06	-	-	170	6	7	-	<50	150	<2.5	-	-	-	-	<48	<18	3,600	<18	390	<27	92	-	<22	<34	270	<21	<24	<42	<9	<132	4,352	-	-	-	-	-	7.52	1,236	-	-	-	-
	12/8/06	-	-	-	12	<6.8	-	<50	150	<2.5	-	-	-	-	<24	<9.2	3,100	18	360	<14	<15	-	<11	<17	210	<10	<12	<21	<4.5	<66	3,328	-	-	-	-	-	7.19	2,110	-	-	-	-
	1/2/07	-	-	-	9.3	<6.8	-	-	-	-	-	-	-	-	<24	<9.2	3,200	18	440	<14	13	-	<11	<17	260	<10	<12	<21	<4.5	<66	3,931	-	-	-	-	-	7.08	1,340	-	-	-	-
	1/30/07	-	-	-	16	<6.8	-	<50	160	<2.5	-	-	-	-	<39	<15	4,100	<14	600	<22	24	-	<18	<27	400	<17	<19	<33	<7.2	<72	5,124	-	-	-	-	-	-	-	-	-	-
	2/26/07	-	-	200	10	<6.8	-	<50	160	<2.5	-	-	-	-	<48	<18	5,000	31	740	<27	24	-	<22	<34	580	<21	<24	<42	<9	<132	6,376	-	-	-	-	-	6.78	1,356	-	-	-	-
	3/29/07	-	-	-	15	<6.8	-	<50	150	-	-	-	-	-	<39	<15	4,200	29	980	<22	18	-	<18	<27	510	<17	<19	<33	<7.2	<105	5,337	-	-	-	-	-	7.56	1,421	-	-	-	-
	6/6/07	-	-	-	9	<6.8	-	<50	180	-	-	-	-	-	<39	<15	4,500	45/00	880	<22	24	-	<18	<27	620	20	<19	<33	<7.2	<105	10,244	-	-	-	-	-	-	-	-	-	-
	9/11/07	-	-	-	110	<3.4	-	-	-	-	-	-	-	-	<19	<7.4	4,000	24	960	<11	15	-	<9	<13	440	15	<9.6	<17	<3.6	<17	5,054	-	-	-	-	-	7.50	1,065	-	-	-	-
	4/30/08	-	-	-	13	-	-	-	-	-	-	-	-	-	<24.2	<9.2	3,690	<9	519	<13.5	<10.8	-	<11.2	<16.8	274	<10.5	<12	<20.8	<4.5	<45	4,483	-	-	-	-	-	-	-	-	-	-
	9/26/08	-	-	-	11	-	-	-	-	-	-	-	-	-	<24.2	<32.5	3,240	21.1	409	<13.5	<10.8	-	<11.2	<16.8	294	15.5	<12	<20.8	<4.5	<65.8	3,980	-	-	-	-	-	7.22	1,178	-	-	-	-
	4/8/09	-	-	158	10.4	<3.4	-	<6.9	124	-	-	-	-	-	<24.2	<32.5	3,350	<9	486	<13.5	<10.8	-	<11.2	<16.8	161	<10.5	<12	<20.8	<4.5	<45	3,997	-	-	<0.17	-	-	-	-	1.2	0.17	1.8	2.4
	4/17/09	-	-	-	7.20	-	-	-	-	-	-	-	-	-	<24.2	<32.5	2,740	21.2	189	<13.5	11.5	-	<11.2	<16.8	188	12.7	<12	<20.8	<4.5	<45	3,162	-	-	-	-	-	-	-	-	-	-	-
	4/27/09	-	-	245	11.3	8.9	-	16	180	<2.3	-	-	-	-	<24.2	<32.5	4,760	31.7	633	<13.5	13.4	-	<11.2	<16.8	670	15.4	<12	<20.8	<4.5	<45	6,124	-	-	<0.17	-	-	-	-	39.4	< 0.085	4.0	3.0
	5/21/09	-	-	237	8.6	<3.4	-	12.6	178	<1.7	-	-	-	-	<38.8	<52.0	9,510	57.4	1,930	<21.6	36.9	-	<18.0	<26.8	910	33.3	<19.2	<33.2	<7.2	<72.0	12,478	-	-	<0.25	-	-	-	-	4.0	<0.085	1.8	2.6
	6/18/09	-	-	255	10.5	<3.9	-	19.6	187	<1.7	-	-	-	-	<38.8	<52.0	5,770	46.6	818	<21.6	<17.2	-	<18.0	<26.8	603	22.8	<19.2	<33.2	<7.2	<72.0	7,260	-	-	<0.25	-	-	-	-	1.4	<0.25	3.5	3.3
	7/15/09	-	-	245	11.2	7.8	-	5.3	181	<1.7	-	-	-	-	<48.5	<65	4,210	41.7	657	<27	<21.5	-	<22.5	<33.5	624	<21	<24	<41.5	<9	<90	5,533	-	-	<0.25	-	-	-	-	1.4	<0.25	3.7	3.3
	9/23/09	-	-	-	10	-	-	-	-	-	-	-	-	-	<32	<6.4	5,400	44	1,400	<16	<32	-	<16	<16	880	28	<6.4	<6.4	<6.4	<16	8,752	-	-	-	-	-	-	-	-	-	-	-
	9/23/09	-	-	-	-	-	-	-	-	-	-	-	-	-	<32	<6.4	6,500	44	1,400	<16	<32	-	<16	<16	860	27	<6.4	<6.4	<6.4	<16	8,831	-	-	-	-	-	7.1	1,010	-	-	-	-
	3/2 9/10	-	-	-	12	-	-	-	-	-	-	-	-	-	<100	<20	4,400	<50	620	<50	<100	-	<50	<50	380	<25	<20	<20	<20	<50	5,400	-	-	-	-	-	6.9	1,110	-	-	-	-
	9/23/10	-	-	-	<10	-	-	-	-	-	-	-	-	-	<50	<10	4,100	<25	820	<25	<50	-	<25	<25	310	<13	<10	<10	<10	<25	5,230	-	-	-	-	-	7.63	1,100	-	-	-	-
	3/17/11	-	-	-	<1.81	-	-	-	-	-	-	-	-	-	<50	<10	2,400	<25	410	<25	<50	-	<25	<25	110	<13	<10	<10	<10	<25	2,920	-	-	-	-	-	8.15	990	-	-	-	-
	9/22/11	-	-	-	1.5	-	-	-	-	-	-	-	-	-	<25	<5.0	3,200	20	660	<13	<25	-	<13	<13	150	11	<5.0	<5.0	<5.0	<13	4,041	-	-	-	-	-	7.51	910	-	-	-	-
	3/21/12	-	-	-	1.4	-	-	-	-	-	-	-	-	-	4.0	0.35	3,000	20	310	<0.50	7.4	-	<0.50	<0.50	170	11	0.80	<0.20	0.55	<0.50	3,524	-	-	-	-	-	7.60	990	-	-	-	-
	9/14/12	-	-	-	7.3	-	-	-	-	-	-	-	-	-	<48.5	<65.0	3,000	<18.0	168	<27.0	<21.5	-	<24.0	<33.5	9,900	<21.0	<24.0	<41.5	<9.0	<131.5	13,068	-	-	-	-	-	7.60	960	-	-	-	-

Table 2
Groundwater Analytical Results
Wisconsin Chrome, Kaukauna, Wisconsin / Project #58127047

		Metals													Volatile Organic Compounds (VOC)																Other									
		Mercury (ug/L)	Cadmium (ug/L)	Chloride (mg/L)	Total Chromium (ug/L)	Hexavalent Chromium (ug/L)	Copper (ug/l)	Iron (ug/l)	Sulfate Dissolved (mg/l)	Sulfide Dissolved (ug/l)	Lead (ug/l)	Nickel (ug/l)	Silver (ug/l)	Zinc (ug/l)	Chloroethane (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Ethylbenzene (ug/L)	Methylene Chloride (ug/L)	Methyl isobutyl ketone (MIBK) (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	Trichloroethene (ug/L)	1,3,5-Trimethylbenzene (ug/L)	Vinyl Chloride (ug/L)	Xylenes (ug/L)	Total VOCs (ug/L)	BOD (mg/L)	Cyanide (mg/L)	Phosphorous, total (mg/L)	Oil & Grease, total (mg/L)	Suspended Solids, total (mg/L)	pH	Conductivity	Manganese (ug/L)	Nitrogen,Nitrate-Dissolved (mg/L)	TOC as NPOC (mg/L)	TOC as NPOC (DOC)Dissolved (mg/L)
NR 140 PAL		0.5	125	10	10	130	150	125	NE	1.5	20	10	NE	80	0.6	85	0.5	0.7	140	0.5	50	0.5	200	40	0.5	0.5	96	0.02	1,000	NE	NE	40	NE	NE	NE	NE	NE	NE	NE	NE	NE
NR 140 ES		5	250	100	100	1,300	300	250	NE	15	100	50	NE	400	6	850	5	7	700	5	500	5	1,000	200	5	5	480	0.2	10,000	NE	NE	200	NE	NE	NE	NE	NE	NE	NE	NE	NE
HOTV Discharge Limits		300	NE	4,000	NE	4,000	NE			690	4,100	NE	4,200										Total Toxic Organics (TTO) < 2.130								NE	1,900	NE	100	NE	5-9					
Sample Location	**Sample Date**																																							
	5/1 /13[AC]	-	-	-	2.7	-	-	-	-	-	-	-	-	-	<88.7	<138	6,580	<95.3	353	<100	<71.7	-	<94.4	<87.7	16,600	<78.0	<85.8	<500	<37.0	<263	23,533	-	-	-	-	-	8.80	187	-	-	-	-
	9/25/13[AC]	-	-	-	5.1	-	-	-	-	-	-	-	-	-	<88.7	<138	6,600	<95.3	301	<100	<71.7	-	<94.4	<87.7	13,600	<78.0	<72.8	<100	<37.0	<263	20,501	-	-	-	-	-	8.80	187	-	-	-	-
	5/15/14	-	-	-	<2.1	-	-	-	-	-	-	-	-	-	<18.7	<125	3,680	21.8	741	<25.0	<11.6	-	<25.0	<25.0	*104*	8.1[AO]	<16.5	<25.0	<8.8	<75.0	4,547	-	-	-	-	-	6.91	1,000	-	-	-	-
	9/18/14	-	-	-	<2.1	-	-	-	-	-	-	-	-	-	<0.75	<5.0	*193*	*0.87*	63.2	<1.0	*0.65*	-	<1.0	<1.0	6.2	<0.31	<0.66	<1.0	<0.35	<3.0	264	-	-	-	-	-	6.91	1,000	-	-	-	-
	4/16/15	-	-	-	<2.1	-	-	-	-	-	-	-	-	-	<0.75	<5.0	*412*	*2.9*	82.2	<1.0	*0.96*	-	<1.0	<1.0	11.8	*1.5*	<0.66	<1.0	<0.35	<3.0	511	-	-	-	-	-	6.74	1,640	-	-	-	-
P-7	1/18/99	-	-	-	140	140	-	-	-	-	-	-	-	-	<0.25	<0.25	34	<0.25	12	<0.25	<0.25	<0.25	<0.25	<1.2	*140*	<0.25	<0.25	0.25	<0.25	<1.0	186	-	-	-	-	-	-	-	-	-	-	-
	2/16/99	-	-	-	2,600	1,100	-	-	-	-	-	-	-	-	<4.8	<0.72	35	<0.80	15	<1.5	<3.5	<0.56	<2.5	<1.6	210	<0.60	<2.0	<1.3	<1.8	*<4.4*	260	-	-	-	-	-	-	-	-	-	-	-
	1/10/00	-	-	-	*37*	<4.2	-	-	-	-	-	-	-	-	0.44	*1.5*	*480*	7.5	350	<0.25	5	<0.25	<0.25	<0.1	1,700	7.5	*0.57*	<0.1	0.89	<0.25	2,553	-	-	-	-	-	-	-	-	-	-	-
	7/2/01	-	-	-	1,000	900	-	-	-	-	-	-	-	-	<25	<25	6,100	35	1,700	<25	120	<25	<25	<10	9,700	37	<25	<10	<25	<25	17,692	-	-	-	-	-	-	-	-	-	-	-
	9/19/01	-	-	*180*	850	1,100	-	1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/4/01	-	-	*170*	690	810	-	<42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/15/01	-	-	*150*	320	310	-	340	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/29/01	-	-	*130*	2,200	890	-	5,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/14/01	-	-	*170*	2,200	1,400	-	3,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/19/02	-	-	*67*	1,400	410	-	24,000	-	-	-	-	-	-	<57	<75	3,100	<47	1,000	<43	<85	-	<57	<47	6,200	<72	<89	<53	<18	<194	10,400	-	-	-	-	-	7.00	-	-	-	-	-
	12/30/02	-	-	-	2,000	1,100	-	12,000	-	-	-	-	-	-	<170	<90	12,000	<110	3,800	<110	<94	-	<130	<170	26,000	<100	<78	<130	<22	<370	41,800	-	-	-	-	-	7.00	-	-	-	-	-
	6/17/03	-	-	300	1,200	410	-	13,000	-	-	-	-	-	-	<480	<180	15,000	<180	3,700	<270	<220	-	<220	<340	33,000	<210	<240	<420	<90	<1320	51,700	-	-	-	-	-	7.00	-	-	-	-	-
	9/24/03	-	-	*130*	1,100	800	-	5,200	-	-	-	-	-	-	<240	<92	14,000	120	4,800	<140	<110	-	<110	<170	29,000	140	<120	<210	<45	<660	48,060	-	-	-	-	-	7.00	-	-	-	-	-
P-7B[a]	12/11/03	-	-	320	1,900	1,200	-	11,000	-	-	-	-	-	-	<480	<180	14,000	<180	4,300	<270	<220	-	<220	<340	35,000	<210	<240	<420	<90	<1320	53,300	-	-	-	-	-	7.00	-	-	-	-	-
	4/21/04	-	-	280	450	460	-	<32	-	-	-	-	-	-	<190	<74	13,000	95	3,400	<110	<86	-	<90	<130	27,000	110	<96	<170	<36	<530	43,605	-	-	-	-	-	-	-	-	-	-	-
	6/28/04	-	-	310	680	700	-	*170*	-	-	-	-	-	-	<240	<92	17,000	110	5,500	<140	<110	-	<110	<170	34,000	<230	<120	<210	<45	<660	56,610	-	-	-	-	-	-	-	-	-	-	-
	6/28/04[D]	-	-	310	710	700	-	*180*	-	-	-	-	-	-	<240	<92	18,000	110	5,800	<140	<110	-	<110	<170	37,000	130	<120	<210	<45	<660	61,040	-	-	-	-	-	-	-	-	-	-	-
	9/28/04	-	-	330	270	360	-	<18	-	-	-	-	-	-	<390	<150	18,000	180	5,500	<220	<170	-	<180	<270	46,000	<170	<190	<330	<72	<1050	69,680	-	-	-	-	-	-	-	-	-	-	-
	12/21/04	-	-	300	390	380	-	<17	-	-	-	-	-	-	<60	<92	15,000	<90	5,100	<140	<110	-	<110	<170	41,000	130	<120	<210	<45	<660	61,230	-	-	-	-	-	-	-	-	-	-	-
	4/18/05	-	-	*150*	640	540	-	19	-	-	-	-	-	-	<190	<74	8,900	<72	3,400	<110	<86	-	<90	<130	27,000	<84	<96	<170	<36	<530	39,300	-	-	-	-	-	7.86	-	-	-	-	-
	6/28/05	-	-	-	760	570	-	-	-	-	-	-	-	-	<480	<180	15,000	<180	4,800	<270	<220	-	<220	<340	43,000	<210	<240	<420	<90	<1320	62,800	-	-	-	-	-	6.98	-	-	-	-	-
	9/14/05	-	-	-	670	700	-	-	-	-	-	-	-	-	<390	<150	16,000	<330	5,000	<220	<170	-	<180	<270	38,000	<170	<190	<350	<72	<1,050	59,000	-	-	-	-	-	7.18	-	-	-	-	-
	12/14/05	-	-	-	830	510	-	-	-	-	-	-	-	-	<480	<180	17,000	<180	6,000	<270	<220	-	<220	<340	53,000	<210	<240	<420	<90	<1320	76,000	-	-	-	-	-	7.78	-	-	-	-	-
	3/10/06	-	-	-	260	290	-	-	-	-	-	-	-	-	<240	<92	14,000	<90	5,500	<140	<110	-	<110	<70	48,000	<100	<120	<210	<45	<660	27,500	-	-	-	-	-	7.08	1,598	-	-	-	-
	6/14/06	-	-	-	390	340	-	-	-	-	-	-	-	-	<970	<370	16,000	<560	5,900	<540	<430	-	<450	<670	50,000	<420	<480	<830	<180	<2630	71,900	-	-	-	-	-	7.05	1,579	-	-	-	-
	9/13/06	-	-	-	450	450	-	-	-	-	-	-	-	-	<480	<180	16,000	<180	6,700	<270	<220	-	<220	<340	56,000	<210	<240	<420	<90	<1320	78,700	-	-	-	-	-	7.25	1,427	-	-	-	-
	10/20/06	-	-	290	430	350	-	<50	250	<2.5	-	-	-	-	<240	<92	16,000	100	6,500	<140	<110	-	<110	<170	53,000	110	<120	<210	<45	<660	75,710	-	-	-	-	-	7.69	1,438	-	-	-	-
	11/20/06	-	-	310	1,000	1,100	-	<50	300	<2.5	-	-	-	-	<970	<370	16,000	<360	5,400	<540	760	-	<450	<670	51,000	<420	<480	<830	<180	<10100	73,160	-	-	-	-	-	6.91	1,438	-	-	-	-
	12/8/06	-	-	-	1,400	1,300	-	<50	*210*	<2.5	-	-	-	-	<190	<74	13,000	<72	4,500	<110	<86	-	<90	<130	41,000	85	<96	<170	<36	<530	58,585	-	-	-	-	-	7.73	1,533	-	-	-	-
	1/2/07	-	-	-	700	890	-	-	-	-	-	-	-	-	<480	<180	11,000	<180	4,400	<270	<220	-	<220	<340	37,000	<210	<240	<420	<90	<1320	52,400	-	-	-	-	-	6.83	1,602	-	-	-	-
	1/30/07	-	-	-	260	270	-	<50	*240*	<2.5	-	-	-	-	<74	<48	15,000	<72	6,200	<110	<86	-	<90	<130	50,000	<84	<96	<170	<36	<360	71,200	-	-	-	-	-	-	-	-	-	-	-
	2/26/07	-	-	*240*	240	<6.8	-	4100	250	<2.5	-	-	-	-	<480	<180	14,000	<180	5,300	<270	<220	-	<220	<340	41,000	<210	<240	<420	<90	<1320	60,300	-	-	-	-	-	6.31	1,399	-	-	-	-
	3/29/07	-	-	-	490	360	-	<50	*130*	-	-	-	-	-	<240	<92	13,000	<90	5,400	<140	<110	-	<110	<170	50,000	<100	<120	<210	<45	<660	68,400	-	-	-	-	-	7.70	1,491	-	-	-	-
	6/6/07	-	-	-	150	180	-	<50	69	-	-	-	-	-	<97	<37	4,000	<36	1,700	<54	<43	-	<45	<67	14,000	<42	<48	<83	<18	<263	19,700	-	-	-	-	-	-	-	-	-	-	-
	9/11/07	-	-	-	420	340	-	-	-	-	-	-	-	-	<240	<92	14,000	<90	5,200	<140	<110	-	<110	<170	46,000	110	<120	<210	<45	<210	65,310	-	-	-	-	-	7.78	1322	-	-	-	-
	4/30/08	-	-	-	465	-	-	-	-	-	-	-	-	-	<485	<185	15,600	<180	7,160	<270	<215	-	<225	<335	54,200	<210	<240	<415	<90	<900	76,960	-	-	-	-	-	-	-	-	-	-	-
	9/26/08	-	-	-	347	-	-	-	-	-	-	-	-	-	<242	<325	12,000	<90	4,530	<135	<108	-	<112	<168	41,400	<105	<120	<208	<45	<658	57,930	-	-	-	-	-	7.68	1,364	-	-	-	-
	4/9/09	-	-	*218*	458	310	-	<7.2	*204*	<2.3	-	-	-	-	<1210	<1620	16,400	<450	4,700	<675	<538	-	<562	<838	39,800	<525	<600	<1040	<225	<2250	60,900	-	-	<0.17	-	-	-	-	136	<0.85	6.5	5.7
	4/17/09	-	-	-	405	-	-	-	-	-	-	-	-	-	<485	<650	13,300	<180	4,560	<270	<215	-	<225	<335	40,300	<210	<240	<415	<90	<900	58,160	-	-	-	-	-	7.68	1364	-	-	-	-
	4/27/09	-	-	253	442	350	-	<4.0	*240*	<2.3	-	-	-	-	<485	<650	12,100	<180	3,920	<270	385	-	<225	<335	35,400	<210	<240	<415	<90	<900	51,805	-	-	<0.17	-	-	-	-	57.5	<0.085	4.6	6.6
	5/21/09	-	-	*229*	129	*92*	-	11.4	*219*	<1.7	-	-	-	-	<388	<520	14,100	<144	5,460	<216	<172	-	<180	<268	38,300	<168	<192	<332	<72	<720	58,309	-	-	<0.25	-	-	-	-	72.0	<0.17	4.1	4.6
	6/18/09	-	-	*249*	*68.5*	*25*	-	17.1	*238*	<1.7	-	-	-	-	<388	<520	12,700	<144	3,410	<216	<172	-	<180	<268	33,000	<168	<192	<332	<72	<720	49,110	-	-	<0.25	-	-	-	-	130	<0.25	5.4	5.5
	7/15/09	-	-	-	265	217	310	-	4.9	256	<1.7	-	-	-	-	<388	<520	8,010	<144	2,660	<216	<172	-	<180	<268	30,500	<168	<192	<332	<72	<720	41,170	-	-	<0.25	-	-	-	-	150	0.37	5.4	5.6
	9/23/09[I,M,R]	-	-	-	760	-	-	-	-	-	-	-	-	-	28	13	12,000	65	3,600	<0.50	32	-	*1.2*	0.65	28,000	110	41	<0.20	40	<0.50	43,931	-	-	-	-	-	7.1	1,210	-	-	-	-
	3/29/10	-	-	-	740	-	-	-	-	-	-	-	-	-	<500	<100	11,000	<250	3,000	<250	<500	-	<250	<250	31,000	<120	<100	<100	<100	<250	45,000	-	-	-	-	-	7.0	550	-	-	-	-
	9/23/10[I]	-	-	-	*15*	-	-	-	-	-	-	-	-	-	<400	<80	13,000	<200	5,100	<200	<400	-	<200	<200	46,000	<100	<80	<80	<80	<200	64,100	-	-	-	-	-	6.69	1,290	-	-	-	-
	9/23/10[D]	-	-	-	-	-	-	-	-	-	-	-	-	-	<400	<80	13,000	<200	5,000	<200	<400	-	<200	<200	46,000	<100	<80	<80	<80	<200	64,000	-	-	-	-	-	-	-	-	-	-	-
	3/17/11[HH]	-	-	-	<1.81	-	-	-	-	-	-	-	-	-	<500	<100	10,000	<250	2,900	<250	<500	-	<250	<250	35,000	<130	<100	<100	<100	<250	47,900	-	-	-	-	-	7.87	1,860	-	-	-	-
	3/17/11[D]	-	-	-	-	-	-	-	-	-	-	-	-	-	<500	<100	11,000	<250	3,100	<250	<500	-	<250	<250	38,000	<130	<100	<100	<100	<250	52,100	-	-	-	-	-	-	-	-	-	-	-
	9/22/11	-	-	-	<1.5	-	-	-	-	-	-	-	-	-	<50	<10	1,200	<25	140	<25	<50	-	<25	<25	4,800	<13	<10	<10	<10	<25	6,140	-	-	-	-	-	7.66	300	-	-	-	-
	3/21/12[AL]	-	-	-	*28*	-	-	-	-	-	-	-	-	-	<1.0	0.21	200	*1.1*	58	<0.50	<1.0	-	<0.50	<0.50	2,200	*2.4*	*1.2*	<0.20	0.20	<0.50	2,463	-	-	-	-	-	7.77	180	-	-	-	-
	9/13/12[AL]	-	-	-	<2.0	-	-	-	-	-	-	-	-	-	<0.97	<1.3	<0.75	<0.36	0.59	<0.54	<0.43	-	<0.45	<0.67	2.4	<2.4	<0.48	<0.83	<0.18	<2.63	2.4	-	-	-	-	-	7.77	180	-	-	-	-
	5/1/13[AL]	-	-	-	<1.2	-	-	-	-	-	-	-	-	-	<0.44	<0.69	1.9	<0.48	<0.43	<0.50	<0.36	-	<0.47	<0.44	1.7	<0.39	<0.43	<2.5	<0.18	<1.32	3.6	-	-	-	-	-	8.80	187	-	-	-	-
	9/25/13[AL]	-	-	-	<1.2	-	-	-	-	-	-	-	-	-	<0.44	<0.69	3.7	<0.48	<0.43	<0.50	<0.36	-	<0.47	<0.44	4.8	<0.39	<0.36	<0.5	<0.18	<1.32	8.5	-	-	-	-	-	8.80	187	-	-	-	-
	5/15/14	-	-	-	2.8[AO]	-	-	-	-	-	-	-	-	-	<37.5	<250	9,540	42.3[AO]	503	<50.0	<23.3	-	<50.0	<50.0	19,800	66.7[AO]	<33.1	<50.0	<17.6	<150.0	29,843	-	-	-	-	-	7.29	1,490	-	-	-	-
	9/18/14	-	-	-	*13.4*	-	-	-	-	-	-	-	-	-	<74.9	<500	8,880	<33.5	573	<100	<46.5	-	<100	<100	16,600	<31.1	<66.1	<100	<35.1	<300	26,033	-	-	-	-	-	7.29	1,490	-	-	-	-
	4/16/15	-	-	-	*43.2*	-	-	-	-	-	-	-	-	-	<74.9	<500	9,080	<33.6	736	<100	<46.5	-	<100	<100	18,800	<39.5	<66.1	<100	<35.1	<300	28,616	-	-	-	-	-	-	-	-	-	-	-
P-7C	12/11/03	-	-	13	590	<2.6	-	66,000	-	-	-	--	-	-	<1.9	<0.74	*64*	<0.72	12	<1.1	<0.86	-	<0.90	<1300	260	<0.84	<0.96	<1.7	<0.36	<5300	336	-	-	-	-	-	7.00	-	-	-	-	-
	4/21/04	-	-	4.9	<1.1	<2.7	-	<32	-	-	-	-	-	-	<0.97	<0.37	*18*	<0.36	*1.7*	<0.54	<0.43	-	<0.45	<0.67	*44.00*	<0.42	<0.48	<0.83	<0.18	<2.63	63.7	-	-	-	-	-	-	-	-	-	-	-
	6/28/04	-	-	4.4	1.8	<2.7	-	21	-	-	-	-	-	-	<0.97	<0.37	16	<0.36	*1.6*	<0.54	<0.43	-	<0.45	<0.67	32.00	<0.92	<0.48	<0.83	<0.18	<2.63	49.6	-	-	-	-	-	-	-	-	-	-	-
	9/28/04	-	-	4.0	1.4	<2.7	-	<18	-	-	-	-	-	-	<0.97	<0.37	14	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	17.00	<0.42	<0.48	<0.83	<0.18	<2.63	31	-	-	-	-	-	-	-	-	-	-	-
	12/21/04	-	-	4.0	1.5	<2.7	-	<17	-	-	-	-	-	-	<0.97	<0.37	9.9	<0.36	0.61	<0.54	<0.43	-	<0.45	<0.67	12.00	<0.42	<0.48	<0.83	<0.18	<2.63	22.51	-	-	-	-	-	-	-	-	-	-	-
	3/30/05	-	-	4.6	0.69	<2.7	-	19	-	-	-	-	-	-	<0.97	<0.37	13.0	<0.36	*0.76*	<0.54	<0.43	-	<0.45	<0.67	13.00	<0.42	<0.48	<0.83	<0.18	<2.63	26.76	-	-	-	-	-	8.44	-	-	-	-	-
	9/14/05	-	-	-	3.9	<5.0	-	-	-	-	-	-	-	-	<0.97	<0.37	8.8	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	4.60	<0.42	<0.48	<0.83	<0.18	<2.63	13.4	-	-	-	-	-	7.42	-	-	-	-	-
	9/13/06	-	-	-	2.3	<6.8	-	-	-	-	-	-	-	-	<0.97	<0.37	6.6	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	5.00	<0.42	<0.48	<0.83	<0.18	<2.63	11.6	-	-	-	-	-	8.30	-	-	-	-	-
	9/11/07	-	-	-	1.5	<3.4	-	-	-	-	-	-	-	-	<0.97	<0.37	4.7	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	5	<0.42	<0.48	<0.83	<0.18	<0.83	9.7	-	-	-	-	-	8.39	231	-	-	-	-
	9/23/09[I]	-	-	-	9.6	-	-	-	-	-	-	-	-	-	<1.0	<0.20	2.6	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	0.87	0.29	<0.20	<0.20	<0.20	<0.50	3.76	-	-	-	-	-	7.00	425	-	-	-	-
	9/22/11[T]	-	-	-	<1.5	-	-	-	-	-	-	-	-	-	<1.0	<0.20	0.56	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	1.1	<0.25	<0.20	<0.20	<0.20	<0.50	1.66	-	-	-	-	-	7.86	150	-	-	-	-
	9/25/13[T]	-	-	-	*2.4*	-	-	-	-	-	-	-	-	-	29.5	<17.2	*240*	<11.9	135	<12.5	<9.0	-	<11.8	<11.0	2,330	<9.7	<9.1	<12.5	7.8	<32.9	2,746.3	-	-	-	-	-	7.86	150	-	-	-	-
P-8	5/22/98	-	-	-	<5.0	<10.0	-	-	-	-	-	-	-	-	<1.0	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	55.2	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.2	<1.0	55	-	-	-	-	-	-	-	-	-	-	-
	8/20/98	-	-	-	<5.0	<10.0	-	-	-	-	-	-	-	-	<1.0	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.2	<1.0	0	-	-	-	-	-	-	-	-	-	-	-
	1/14/99	-	-	-	2.2	7	-	-	-	-	-	-	-	-	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.10	<0.25	<0.25	<0.25	<0.10	<0.25	<0.25	0	-	-	-	-	-	-	-	-	-	-	-
	2/16/99	-	-	-	2.2	<4.2	-	-	-	-	-	-	-	-	<1.2	<0.18	<0.25	<0.20	<0.73	<0.38	<0.87	<0.14	<0.63	<0.39	<0.28	<0.15	<0.49	<0.33	<0.46	<1.1	0	-	-	-	-	-	-	-	-	-	-	-
	7/2/01	-	-	<5	*13*	<4.2	-	440	-	-	-	-	-	-	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.43	<0.25	<0.25	<0.1	<0.25	<0.25	<0.25	<0.1	<0.25	<0.25	0	-	-	-	-	-	-	-	-	-	-	-
	9/6/01	-	-	<5	1.6	<4.2	-	4,000	-	-	-	-	-	-	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.45	<0.25	<0.25	<0.1	<0.25	<0.25	<0.25	<0.1	<0.25	<0.25	0	-	-	-	-	-	-	-	-	-	-	-
	10/30/01	-	-	6.3	9.2	<4.2	-	13,000	-	-	-	-	-	-	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.57	<0.25	<0.25	<0.1	<0.25	<0.25	<0.25	<0.1	<0.25	<0.25	1	-	-	-	-	-	-	-	-	-	-	-
	11/14/01	-	-	<5	*14*	<4.2	-	27,000	-	-	-	-	-	-	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	*0.6*	<0.25	<0.25	<0.1	<0.25	<0.25	<0.25	<0.1	<0.25	<0.25	1	-	-	-	-	-	-	-	-	-	-	-
	4/14/03	-	-	440	*25*	<20	-	17,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	6/16/03	-	-	420	*20*	<2.6	-	14,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	9/24/03	-	-	*240*	*34*	<2.6	-	24,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
P-8A[a]	12/15/03	-	-	260	*24*	<2.6	-	18,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	4/21/04	-	-	*170*	*11*	<2.7	-	<32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/30/04	-	-	*140*	0.85	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/12/04	-	-	*150*	<0.52	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 2
Groundwater Analytical Results
Wisconsin Chrome, Kaukauna, Wisconsin / Project #58127047

		Mercury (ug/L)	Cadmium (ug/L)	Chloride (mg/L)	Total Chromium (ug/L)	Hexavalent Chromium (ug/L)	Copper (ug/l)	Iron (ug/l)	Sulfate Dissolved (mg/l)	Sulfide Dissolved (ug/l)	Lead (ug/l)	Nickel (ug/l)	Silver (ug/l)	Zinc (ug/l)	Chloroethane (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Ethylbenzene (ug/L)	Methylene Chloride (ug/L)	Methyl isobutyl ketone (MIBK) (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	Trichloroethene (ug/L)	1,3,5-Trimethylbenzene (ug/L)	Vinyl Chloride (ug/L)	Xylenes (ug/L)	Total VOCs (ug/L)	BOD (mg/L)	Cyanide (mg/L)	Phosphorous, total (mg/L)	Oil & Grease, total (mg/L)	Suspended Solids, total (mg/L)	pH	Conductivity	Manganese (ug/L)	Nitrogen,Nitrate-Dissolved (mg/L)	TOC as NPOC (mg/L)	TOC as NPOC (DOC)-Dissolved (mg/L)
		Metals													Volatile Organic Compounds (VOC)																	Other											
NR 140 PAL		0.5	125	10	10	130	150	125	NE	1.5	20	10	NE	80	0.6	85	0.5	0.7	140	0.5	500	50	0.5	200	40	0.5	0.5	96	0.02	1,000	NE	NE	40	NE	NE	NE	NE	NE	NE	NE	NE	NE
NR 140 ES		5	250	100	100	1,000	300	250	NE	15	100	50	NE	400	6	850	5	7	700	5	500	5	1,000	200	5	5	480	0.2	10,000	NE	NE	200	NE	NE	NE	NE	NE	NE	NE	NE	NE
HOTV Discharge Limits		300	NE	4,000	NE	4,000	NE			690	4,100	NE	4,200	Total Toxic Organics (TTO) < 2.130																	NE	1,900	NE	100	NE	5-9					
Sample Location	**Sample Date**																																									
	12/28/04	-	-	110	<0.52	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/29/05	-	-	**600**	0.82	<2.7	-	<18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.69	-	-	-	-	-
P-9	8/19/98	-	-	-	8	<10.0	-	-	-	-	-	-	-	-	<1.0	<0.5	<1.0	<0.5	<0.5	<1.0	<0.5	<5.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0	<0.2	<1.0	0	-	-	-	-	-	-	-	-	-	-	-
	1/14/99	-	-	-	4	<4.2	-	-	-	-	-	-	-	-	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.10	<0.25	<0.25	0	-	-	-	-	-	-	-	-	-	-	-
	2/16/99	-	-	-	3	<4.2	-	-	-	-	-	-	-	-	<1.2	<0.18	<0.25	<0.20	<0.23	<0.38	<0.87	<0.14	<0.63	<0.39	<0.28	<0.15	<0.49	<0.33	<0.46	<1.1	0	-	-	-	-	-	-	-	-	-	-	-
	7/2/01	-	-	-	0.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/14/03	-	-	1.2	6	<20	-	**6,100**	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	7.00	-	-	-	-	-
	6/17/03	-	-	1.7	4.8	<2.6	-	**3,000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	9/24/03	-	-	1.5	*10*	<2.6	-	**7,600**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
P-9A^	**12/11/03**	-	-	2.1	9.4	<2.6	-	**8,100**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	4/28/04	-	-	1.9	1.2	<2.9	-	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/29/04	-	-	3.0	0.62	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/8/04	-	-	2.7	<0.52	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/29/05	-	-	19	<0.65	<2.7	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-12	3/22/00	-	-	-	**9,100**	**10,000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/9/00	-	-	-	*15*	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7/2/01	-	-	-	6.6	<4.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/20/01	-	-	<5	2.5	<4.2	-	**3,000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/4/01	-	-	<5	*57*	<4.2	-	**3,500**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/15/01	-	-	<5	5	9	-	*<42*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/30/01	-	-	<5	*12*	*20*	-	**78,000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/14/01	-	-	<5	**420**	**100**	-	**110,000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/19/02	-	-	2.1	**960**	<12	-	**140,000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	12/30/02	-	-	-	**240**	<10	-	**50,000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	6/17/03	-	-	2.1	**130**	<2.6	-	**22,000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	9/24/03	-	-	5.3	**110**	*17*	-	**20,000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
P-12A^	**12/10/03**	-	-	2.0	**120**	<2.6	-	**22,000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	4/15/04	-	-	2.1	*5.7*	<2.7	-	*170*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/22/04	-	-	2.0	7.3	4	-	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/11/04	-	-	2.5	5.5	*10*	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/16/04	-	-	3.2	4.7	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/30/05	-	-	12	5.8	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.38	-	-	-	-	-
	9/14/05	-	-	-	3.5	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.06	-	-	-	-	-
	9/12/06	-	-	-	<1.3	<6.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.52	-	-	-	-	-
	9/10/07	-	-	-	0.47	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.51	770	-	-	-	-
	9/23/09	-	-	-	<2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.80	910	-	-	-	-
	9/22/11	-	-	-	<1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.21	890	-	-	-	-
	9/24/13	-	-	-	<1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.21	890	-	-	-	-
P-15A	**12/10/03[7]**	-	-	60	95	<2.6	-	**44,000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	4/14/04	-	-	72	0.59	<2.7	-	84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/22/04	-	-	30	1.1	<2.7	-	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/11/04	-	-	30	<0.52	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/16/04	-	-	14	0.95	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/18/05	-	-	22	0.89	<5	-	<18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.05	-	-	-	-	-
P-15B	**12/10/03[7]**	-	-	23	**910**	<2.6	-	**45,000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	4/14/04	-	-	100	0.53	<2.7	-	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/22/04	-	-	72	0.94	<2.7	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/11/04	-	-	61	<0.52	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/16/04UF	-	-	-	**300**	<2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/16/04	-	-	43	*22*	<2.7	-	**10,000** [9]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/18/05	-	-	*24*	1.2	<5	-	<18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.17	-	-	-	-	-
P-16A	**12/10/03[7]**	-	-	30	**230**	<2.6	-	**170,000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-
	4/14/04	-	-	8.8	1.2	<2.7	-	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/23/04	-	-	5.8	1.4	<2.7	-	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/12/04	-	-	5.3	<0.52	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/16/04	-	-	4.8	<0.52	<2.7	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/18/05	-	-	4.5	<0.65	<5	-	<18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.95	-	-	-	-	-
Sump A Influent	**9/19/01**	-	-	61	**4,500**	**5,100**	-	*<42*	-	-	-	-	-	-	<25	<25	*310*	<25	**360**	<25	**44**	<25	<25	<10	**2,500**	<25	<25	<10	<25	<25	3,214	-	-	-	-	-	-	-	-	-	-	-
	10/3/01	-	-	85	**3,000**	**3,300**	-	**890**	-	-	-	-	-	-	<50	<50	*330*	<50	**290**	<50	**160**	<50	<50	<20	**2,700**	<50	<50	<20	<50	<50	3,480	-	-	-	-	-	-	-	-	-	-	-
	10/30/01	-	-	68	**15,000**	**13,000**	-	*290*	-	-	-	-	-	-	<50	<50	*380*	<50	**470**	<50	**260**	<50	<50	<20	**4,000**	<50	<50	<20	<50	<50	5,110	-	-	-	-	-	-	-	-	-	-	-
	3/13/02	-	-	**580**	**890,000**	**790,000**	-	*190*	-	-	-	-	-	-	<12	<12	**1,300**	<12	**2,400**	<12	<12	<5.0	<12	<12	**32**	<12	<12	<5.0	<12	<12	0.964	-	-	-	-	-	-	-	-	-	-	-
	6/18/02	-	-	56	**12,000**	**8,900**	-	*290*	-	-	-	-	-	-	<14	<19	*490*	<12	**470**	<11	<21	-	<14	<12	**3,300**	<18	<22	<13	<4.5	<49	4,260	-	-	-	-	-	7.00	-	-	-	-	-
	9/30/02	-	-	-	**76,000**	**88,000**	-	120	-	-	-	-	-	-	<21	<11	*530*	<14	**400**	<13	<12	-	<16	<21	**2,800**	<12	<9.8	<16	<2.8	<46	3,730	-	-	-	-	-	7.00	-	-	-	-	-
	12/23/02	-	-	-	**180,000**	**170,000**	-	48	-	-	-	-	-	-	<17	<9.0	*530*	<11	**770**	<11	<9.4	-	<13	<17	**3,600**	<10	<7.8	<13	<2.2	<37	4,900	-	-	-	-	-	7.00	-	-	-	-	-
	3/31/03	-	-	-	**56,000**	**41,000**	-	**450**	-	-	-	-	-	-	<19	*<7.4*	*320*	<7.2	**500**	<11	<8.6	-	<9.0	<13	**2,000**	<8.4	<9.6	<17	<3.6	<53	2,820	-	-	-	-	-	7.00	-	-	-	-	-
	6/16/03	-	-	70	**47,000**	**41,000**	-	110	-	-	-	-	-	-	<48	<18	*740*	<18	**650**	<27	<22	-	<22	<34	**4,100**	<21	<24	<42	<9.0	<132	5,490	-	-	-	-	-	7.00	-	-	-	-	-
	9/23/03	-	-	69	**44,000**	**37,000**	-	<48	-	-	-	-	-	-	<48	<18	*690*	<18	**790**	<27	<22	-	<22	<34	**4,700**	<21	<24	<42	<9.0	<132	6,180	-	-	-	-	-	7.00	-	-	-	-	-
	12/9/03	-	-	66	**46,000**	**49,000**	-	<47	-	-	-	-	-	-	<39	<15	*730*	<14	**810**	<22	<17	-	<18	<27	**4,100**	<17	<19	<33	<7.2	<105	5,640	-	-	-	-	-	7.00	-	-	-	-	-
	5/19/04	-	-	55	**3,100**	**39,000**	-	*<400*	-	-	-	-	-	-	<39	<15	*400*	<14	**460**	<22	<17	-	<18	<27	**2,700**	<17	<19	<33	<7.2	<105	3,560	-	-	-	-	-	-	-	-	-	-	-
	6/29/04	-	-	50	**28,000**	**29,000**	-	<17	-	-	-	-	-	-	<19	*<7.4*	*640*	<7.2	**700**	<11	<8.6	-	<9.0	<13	**3,500**	<18	<9.6	<17	<3.6	<53	4,840	-	-	-	-	-	-	-	-	-	-	-
	10/6/04	-	-	65	**35,000**	-	-	<17	-	-	-	-	-	-	<97	<37	550	<36	**700**	<54	<43	-	<45	<67	**3,000**	<42	<48	<83	<18	<263	3,700	-	-	-	-	-	-	-	-	-	-	-
	01/10/4/05	-	-	55	**21,000**	**22,000**	-	58	-	-	-	-	-	-	<24	<9.2	*640*	<9.0	**660**	<14	<11	-	<11	<17	**3,900**	<10	<12	<21	<4.5	<66	5,200	-	-	-	-	-	-	-	-	-	-	-
	3/9/05	-	-	97	**71,000**	**72,000**	-	<18	-	-	-	-	-	-	<24	<9.2	**1,100**	<9	**1,000**	<14	<11	-	<11	<17	**2,800**	**17**	<12	<21	<4.5	<66	4,917	-	-	-	-	-	-	-	-	-	-	-
	6/27/05	-	-	-	**17,000**	**17,000**	-	-	-	-	-	-	-	-	<24	<9.2	*530*	<9	**470**	<14	<11	-	<11	<17	**3,200**	<23	<12	<21	<4.5	<66	4,200	-	-	-	-	-	-	-	-	-	-	-
	9/12/05	-	-	-	**18,000**	**21,000**	-	-	-	-	-	-	-	-	<24	<9.2	*560*	<9.0	***500***	<14	<11	-	<11	<17	**2,800**	<10	<12	<21	<4.5	<66	3,866	-	-	-	-	-	-	-	-	-	-	-
	12/20/05	-	-	-	**15,000**	**15,000**	-	-	-	-	-	-	-	-	<19	*<7.4*	*490*	<7.2	***550***	<11	<8.6	-	<9	<13	**3,100**	<8.4	<9.6	<17	<3.6	<53	4,140	-	-	-	-	-	-	-	-	-	-	-
	12/20/05[5]	-	-	-	**15,000**	**14,000**	-	-	-	-	-	-	-	-	<19	*<7.4*	*490*	<7.2	***550***	<11	<8.6	-	<9	<13	**3,200**	<8.4	<9.6	<17	<3.6	<53	4,240	-	-	-	-	-	-	-	-	-	-	-
	3/6/06	-	-	-	**17,000**	**19,000**	-	-	-	-	-	-	-	-	<24	<9.2	*480*	<9.0	***490***	<14	<11	-	<11	<17	**2,600**	<10	<12	<21	<4.5	<66	3,570	-	-	-	-	-	-	-	-	-	-	-
	6/15/06	-	-	-	**20,000**	**22,000**	-	-	-	-	-	-	-	-	<19	*<7.4*	*480*	<7.2	***450***	<11	<8.6	-	<9.0	<13	**2,100**	<8.4	<9.6	<17	<3.6	<53	3,030	-	-	-	-	-	-	-	-	-	-	-
	9/11/06	-	-	-	**15,000**	**17,000**	-	-	-	-	-	-	-	-	<24	<9.2	*500*	<9.0	***530***	<14	<15	-	<11	<17	**2,100**	<10	<12	<21	<4.5	<66	3,130	-	-	-	-	-	-	-	-	-	-	-
	12/11/06	-	-	-	**15,000**	**16,000**	-	-	-	-	-	-	-	-	<9.7	<3.7	*370*	<3.6	***330***	<5.4	<4.3	-	<4.5	<6.7	**1,800**	**5.8**	<4.8	<8.3	<1.8	<26.3	2,466	-	-	-	-	-	-	-	-	-	-	-
	12/11/06[5]	-	-	-	-	-	-	-	-	-	-	-	-	-	<24	<9.2	*450*	<9.0	***470***	<14	<11	-	<11	<17	**2,400**	<10	<12	<21	<4.5	<66	3,320	-	-	-	-	-	-	-	-	-	-	-
	3/15/07	-	-	-	**4,900**	**6,300**	-	-	-	-	-	-	-	-	<9.7	<3.7	*220*	<3.6	***210***	<5.4	<4.3	-	<4.5	<6.7	**1,300**	<4.2	<4.8	<8.3	<1.8	<26.3	1,790	-	-	-	-	-	-	-	-	-	-	-
	3/15/07[5]	-	-	-	-	-	-	-	-	-	-	-	-	-	<9.7	<3.7	*210*	<3.6	**220**	<5.4	<4.3	-	<4.5	<6.7	**1,200**	<4.2	<4.8	<8.3	<1.8	<26.3	1,630	-	-	-	-	-	-	-	-	-	-	-
	4/18/07	-	-	-	**15,000**	**16,000**	-	55	*190*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/17/07	-	-	-	**15,000**	**15,000**	-	**580**	*180*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7/2/07[6]	-	-	-	**13,000**	**13,000**	-	*250*	*180*	-	-	-	-	-	<24	<9.2	*400*	-	**380**	<14	<11	-	<11	<17	**2,400**	<10	<12	<21	<4.5	<66	3,180	-	-	-	-	-	-	-	-	-	-	-
	7/19/07	-	-	-	**14,000**	**14,000**	-	<50	*160*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sept Monthly Sample	**10/2/07**	-	-	-	**9,300**	**10,000**	-	-	-	-	-	-	-	-	<24	<9.2	*470*	<9.0	**430**	<14	<11	-	<11	<17	**2,800**	<10	<12	<21	<4.5	<66	3,700	-	-	-	-	-	-	-	-	-	-	-
	12/20/07	-	-	-	**11,000**	**13,000**	-	-	-	-	-	-	-	-	*<24*	<9.2	*360*	<9.0	**420**	<14	<11	-	<11	<17	**1,900**	<10	<12	<21	<4.5	<66	2,957	-	-	-	-	-	-	-	-	-	-	-
	12/20/07D	-	-	-	-	-	-	-	-	-	-	-	-	-	<24	<9.2	*380*	<9.0	**420**	<14	<11	-	<11	<17	**2,000**	<10	<12	<21	<4.5	<66	3,079	-	-	-	-	-	-	-	-	-	-	-
	3/20/08	-	-	-	**8,510**	**9,900**	-	-	-	-	-	-	-	-	*<24*	<9.2	*271*	<9.0	**250**	<14	<11	-	<11	<17	**1,550**	<10	<12	<21	<4.5	<66	2,071	-	-	-	-	-	-	-	-	-	-	-
	6/12/08	-	-	-	**10,300**	**12,100**	-	-	-	-	-	-	-	-	*<24*	<9.2	*388*	<9.0	**429**	<14	<11	-	<11	<17	**2,380**	<10	<12	<21	<4.5	<66	3,397	-	-	-	-	-	-	-	-	-	-	-
	9/19/08	-	-	-	**9,400**	**10,300**	-	-	-	-	-	-	-	-	<24	<32.5	*424*	<9.0	**453**	<13.5	<10.8	-	<11.2	<16.8	**2,950**	<10.5	<12	<20.8	<4.5	<65.8	3,827	-	-	-	-	-	-	-	-	-	-	-

Table 2
Groundwater Analytical Results
Wisconsin Chrome, Kaukauna, Wisconsin / Project #58127047

		Metals													Volatile Organic Compounds (VOC)																Other									
		Mercury (ug/L)	Cadmium (ug/L)	Chloride (mg/L)	Total Chromium (ug/L)	Hexavalent Chromium (ug/L)	Copper (ug/l)	Iron (ug/l)	Sulfate Dissolved (mg/l)	Sulfide Dissolved (ug/l)	Lead (ug/l)	Nickel (ug/l)	Silver (ug/l)	Zinc (ug/l)	Chloroethane (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Ethylbenzene (ug/L)	Methylene Chloride (ug/L)	Methyl isobutyl ketone (MIBK) (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	Trichloroethene (ug/L)	1,3,5-Trimethylbenzene (ug/L)	Vinyl Chloride (ug/L)	Xylenes (ug/L)	Total VOCs (ug/L)	BOD (mg/L)	Cyanide (mg/L)	Phosphorous, total (mg/L)	Oil & Grease, total (mg/L)	Suspended Solids, total (mg/L)	pH	Conductivity	Manganese (ug/L)	Nitrogen,Nitrate-Dissolved (mg/L)	TOC as NPOC (mg/L)	TOC as NPOC (DOC) Dissolved (mg/L)
NR 140 PAL		*0.5*	*125*	*10*	*10*	*130*	*150*	*125*	*NE*	*1.5*	*20*	*10*	NE	*80*	*0.6*	*85*	*0.5*	*0.7*	*140*	*0.5*	*50*	*0.5*	*200*	*40*	*0.5*	*0.5*	*96*	*0.02*	*1,000*	NE	NE	*40*	NE	NE	NE	NE	NE	NE	NE	NE
NR 140 ES		**5**	**250**	**100**	**100**	**1,300**	**300**	**250**	**NE**	**15**	**100**	**50**	NE	**400**	**6**	**850**	**5**	**7**	**700**	**5**	**500**	**5**	**1,000**	**200**	**5**	**5**	**480**	**0.2**	**10,000**	NE	NE	**200**	NE	NE	NE	NE	NE	NE	NE	NE
HOTV Discharge Limits		**300**	NE	**4,000**	NE	**6,000**	NE			**690**	**4,100**	NE	**4,200**										Total Toxic Organics (TTO) < 2.130							NE	**1,900**	NE	**100**	NE	**5-9**				
Sample Location	**Sample Date**																																						
Grab @ Sump Manhole	**12/12/08**	-	-	97.2	**16,000**	**13,300**	-	1,970.0	-	1,020.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<.68	-	-	-	321	< 0.085	5.2	-
	12/30/08	-	-	-	**5,960**	**6,000**	-	-	-	-	-	-	-	<19.4	<26	333	<7.2	334	<10.8	<8.6	-	<9	<13.4	2230	<8.4	<9.6	<16.6	<3.6	<52.6	2897	-	-	-	-	-	-	-	-	-	-
Sump A	**3/12/09**	-	-	-	**736**	40	-	-	-	-	-	-	-	<3.9	<5.2	60.5	<1.4	50.1	<2.2	<1.7	-	<1.8	<2.7	367	<1.7	<1.9	<3.3	<0.72	<10.5	477.6	-	-	-	-	-	-	-	-	-	-
Influent (Continued)	**4/9/09**	-	-	-	**10,600**	**4,700**	-	8.4	-	<2.3	-	-	-	<19.4	<26.0	*5.15*	<7.2	**385**	<10.8	<8.6	-	<9.0	<13.4	**1,100**	<8.4	<9.6	<16.6	<3.6	<36.0	2,000	-	-	<0.68	-	-	-	818	<0.85	16.3	21.9
taken before injection	**4/27/09**	-	-	54.6	**7,120**	**6,600**	-	-	*215*	<2.3	-	-	-	<24.2	<32.5	*343*	<9.0	**380**	<13.5	**22.3**	-	<11.2	<16.8	**2,050**	<10.5	<12.0	<20.8	<4.5	<45.0	2,795	-	-	<0.17	-	-	-	114	0.21	3.0	2.0
	5/21/09	-	-	60.7	**4,510**	**5,300**	-	9.8	*211*	<1.7	-	-	-	<19.4	<26	*391*	<7.2	**508**	<10.8	<8.6	-	<9.0	<13.4	**2,230**	<8.4	<9.6	<16.6	<3.6	<36	3,129	-	-	<0.25	-	-	-	111	0.18	1.7	1.6
	6/18/09	-	-	67.1	**2,680**	**1,400**	-	50.7	*221*	<1.7	-	-	-	<19.4	<26	*307*	<7.2	**254**	<10.8	<8.6	-	<9.0	<13.4	**1,520**	<8.4	<9.6	<16.6	<3.6	<36	2,081	-	-	<0.25	-	-	-	52.2	0.91	1.5	2.6
	6/23/09	-	-	-	**1,700**	**1,100**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7/15/09	-	-	57.8	**1,330**	**1,400**	-	<4.0	**254**	<1.7	-	-	-	<19.4	<26	*204*	<7.2	**200**	<10.8	<8.6	-	<9.0	<13.4	**1,690**	<8.4	<9.6	<16.6	<3.6	<36	2,094	-	-	<0.25	-	-	-	34.6	1.0	2.1	1.9
	9/23/09	-	-	-	**230**	<2.5	-	-	-	-	-	-	-	<32	<6.4	*430*	<16	**370**	<16	<32	-	<16	<16	**1,900**	<8.0	<6.4	<6.4	<6.4	<16	2,700	-	-	-	-	-	-	-	-	-	-
	2/10/10	-	-	-	*42*	<2.5	-	-	-	-	-	-	-	<25	<5.0	*320*	<12	**270**	<12	<12	-	<12	<12	**1,400**	<6.2	<5.0	<5.0	<5.0	<12	1,990	-	-	-	-	-	-	-	-	-	-
	9/23/10[FB]	-	-	-	**230**	4.4	-	-	-	-	-	-	-	<10	<2.0	*130*	<5.0	**100**	<5.0	<10	-	<2.5	<5.0	**660**	<2.5	<2.0	<2.0	<2.0	<5.0	890	-	-	-	-	-	-	-	-	-	-
	2/17/11[DO]	-	-	-		<3.0	-	-	-	-	-	-	-	<5.0	<1.0	*2.90*	<2.5	**98**	<2.5	<5.0	-	<2.5	<2.5	**330**	<1.3	*1.2*	<1.0	**24**	<2.5	643	-	-	-	-	-	-	-	-	-	-	-
	3/17/11	-	-	-	**103**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/23/11[BB,GG,JH]	-	-	-	*75*	*9.0*	-	-	-	-	-	-	-	<4.0	<0.80	*100*	<2.0	**71**	<2.0	<4.0	-	<2.0	<2.0	**470**	<1.0	1.9	<0.80	<0.80	<2.0	643	-	-	-	-	-	-	-	-	-	-	-
	9/22/11[YY,ZZ]	-	-	-	*25*	*39*	-	-	-	-	-	-	-	<4.0	<0.80	**1,200**	<2.0	**25**	<2.0	<4.0	-	<2.0	<2.0	21	<1.0	*1.0*	<0.80	**6.0**	<2.0	1,253	-	-	-	-	-	-	-	-	-	-	-
	12/1 2/11[AK]	-	-	-	*36*	<3.0	-	-	-	-	-	-	-	<16	<3.2	**1,400**	<8.0	<8.0	<8.0	<16	-	<8.0	12	<8.0	<4.0	<3.2	<3.2	**5.5**	<8.0	1,418	-	-	-	-	-	-	-	-	-	-	-
	4/4 /12[AM]	-	-	-	**120**	<3.0	-	-	-	-	-	-	-	2.5	<0.25	*100*	<0.28	**95**	<0.14	<0.63	-	<0.22	<0.15	**420**	0.86	*1.4*	<0.23	**1.4**	<0.30	621	-	-	-	-	-	-	-	-	-	-	-
	6/7 /12[AM]	-	-	-	**99**	<0.00.39	-	-	-	-	-	-	-	<4.8	<6.5	*112*	<1.8	**90.8**	<2.7	<.43	-	<0.22	<0.15	**<0.90**	0.86	*1.4*	<0.23	<0.18	<0.30	205	-	-	-	-	-	-	-	-	-	-	-
	9/14/12[AM]	-	-	-	*14*	<0.00.39	-	-	-	-	-	-	-	<4.8	<6.5	*187*	<1.8	**96**	<2.7	<2.2	-	<2.2	<3.4	**392**	<2.1	<2.4	<0.23	**7.0**	<0.30	682	-	-	-	-	-	-	-	-	-	-	-
	3/20/13[AM]	-	-	-	*36*	0.024	-	-	-	-	-	-	-	<3.9	<5.2	*72*	<1.4	**72.8**	<2.2	<1.7	-	<0.80	<2.7	**338**	<1.7	<1.9	<3.3	<0.72	<1.42	482	-	-	-	-	-	-	-	-	-	-	-
	9/26/13[AM]	-	-	-	*42*	<3.4	-	-	-	-	-	-	-	4.6	<3.4	*126*	<2.2	**106**	<2.5	<1.8	-	<2.4	<2.2	**466**	<1.7	2.0	<2.5	1.8	<6.6	706	-	-	-	-	-	-	-	-	-	-	-
	3/13/14	-	-	-	*7.7*	<3.4	-	-	-	-	-	-	-	<1.8	<2.8	*79.1*	<1.9	**64.3**	<2.0	<1.4	-	<1.9	<1.8	**325**	<1.6	<1.5	<2.0	<0.74	<5.3	468	-	-	-	-	-	-	-	-	-	-	-
	6/12/14	-	-	-	**160**	**140**	-	-	-	-	-	-	-	3.8 J	<12.5	*98.0*	<0.84	**131**	<2.5	<1.2	-	<2.5	<2.5	**573**	<0.78	<1.7	<2.5	<0.88	<7.5	802	-	-	-	-	-	-	-	-	-	-	-
	9/17/14	-	-	-	**237**	**130**	-	-	-	-	-	-	-	2.8 J	<12.5	*223*	<0.84	**154**	<2.5	1.3 J	-	<2.5	<2.5	**1,270**	<0.78	2.4 J	<2.5	<0.88	<7.5	1,647	-	-	-	-	-	-	-	-	-	-	-
	11/13/14	-	-	-	**191**	**130**	-	-	-	-	-	-	-	5.9 J	<25.0	*223*	<1.7	**179**	<5.0	<2.3	-	<3.3	<5.0	**1,130**	<1.6	<3.3	<5.0	<1.8	<15.0	1,532	-	-	-	-	-	-	-	-	-	-	-
	3/18/15	-	-	-	*17*	*19*	-	-	-	-	-	-	-	<1.9	<12.5	*202*	<0.84	**105**	<2.5	<1.2	-	<2.5	<2.5	**936**	<0.99	1.7 J	<2.5	<0.88	<7.5	1,243	-	-	-	-	-	-	-	-	-	-	-
Sump B	**9/20/01**	-	-	<5	1.7	<4.2	-	<42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Influent	**10/3/01**	-	-	33	**1,200**	**120**	-	**1,900**	-	-	-	-	-	<0.25	<0.25	5.1	<0.25	*0.9*	<0.25	*1.4*	<0.25	<0.25	<0.1	11	<0.25	<0.25	<0.1	<0.25	<0.25	18	-	-	-	-	-	-	-	-	-	-	-
	10/30/01	-	-	-	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/7/02	-	-	*150*	<20	<4.2	-	**420**	-	-	-	-	-	<0.25	<0.25	0.32	<0.25	<0.25	<0.25	<0.25	-	<0.25	<0.1	1	<0.25	<0.25	<0.1	<0.25	<0.25	1	-	-	-	-	-	-	-	-	-	-	-
	6/18/02	-	-	38	**4,300**	**3,500**	-	*230*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-	-	-	-	-	-
	9/30/02	-	-	-	**7,900**	**9,300**	-	*240*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-	-	-	-	-	-
	12/23/02	-	-	-	**8,900**	**9,800**	-	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-	-	-	-	-	-
	3/31/03	-	-	-	*43*	*54*	-	**320**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-	-	-	-	-	-
	6/16/03	-	-	57	**7,400**	**6,400**	-	*79*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-	-	-	-	-	-
	9/23/03	-	-	38	**7,600**	**7,500**	-	*170*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-	-	-	-	-	-
	12/9/03	-	-	39	**6,100**	**7,000**	-	**1,500**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	-	-	-	-	-	-	-	-	-	-
	5/19/04	-	-	44	**4,300**	**4,200**	-	**890**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/29/04	-	-	38	**11,000**	**11,000**	-	*28*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/6/04	-	-	46	**2,400**	**6,300**	-	<17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1/4/05	-	-	58	**3,700**	**3,700**	-	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/8/05	-	-	97	**3,700**	**3,800**	-	**340**	-	-	-	-	-	<0.97	<0.34	1.6	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	2.9	<0.42	<0.48	<0.83	<0.18	<2.63	4.5	-	-	-	-	-	-	-	-	-	-	-
	6/21/05	-	-	-	**1,600**	**1,600**	-	-	-	-	-	-	-	<0.97	<0.37	1.2	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	2.1	<0.42	<0.48	<0.83	<0.18	<2.63	3.3	-	-	-	-	-	-	-	-	-	-	-
	9/1/05	-	-	-	**1,000**	**1,100**	-	-	-	-	-	-	-	<0.97	<0.37	1.4	<0.36	<0.57	<0.54	<0.43	-	-	<0.67	2.4	<0.42	<0.48	<0.83	<0.18	<2.63	3.8	-	-	-	-	-	-	-	-	-	-	-
	12/20/05	-	-	-	**1,100**	**1,100**	-	-	-	-	-	-	-	<0.97	<0.37	2	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	3.7	<0.42	<0.48	<0.83	<0.18	<2.63	5.7	-	-	-	-	-	-	-	-	-	-	-
	3/6/06	-	-	-	**2,400**	**3,400**	-	-	-	-	-	-	-	<0.97	<0.37	1.2	<0.36	<0.57	<0.54	<0.43	-	<0.48	<0.67	2.1	<0.42	<0.48	<0.83	<0.18	<2.63	3.3	-	-	-	-	-	-	-	-	-	-	-
	03/06/06[D]	-	-	-	**2,400**	**3,700**	-	-	-	-	-	-	-	<0.97	<0.37	1.2	<0.36	<0.57	<0.54	<0.43	-	<0.48	<0.67	2	<0.42	<0.48	<0.83	<0.18	<2.63	3.2	-	-	-	-	-	-	-	-	-	-	-
	6/15/06	-	-	-	**1,500**	**1,600**	-	-	-	-	-	-	-	<0.97	<0.37	1.5	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	2.3	<0.42	<0.48	<0.83	<0.18	<2.63	3.8	-	-	-	-	-	-	-	-	-	-	-
	9/1/06	-	-	-	**1,800**	**1,800**	-	-	-	-	-	-	-	<0.97	<0.37	2.2	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	3.5	<0.42	<0.48	<0.83	<0.18	<2.63	5.7	-	-	-	-	-	-	-	-	-	-	-
	12/11/06	-	-	-	**2,300**	**2,300**	-	-	-	-	-	-	-	<0.97	<0.37	1.3	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	1.9	<0.42	<0.48	<0.83	<0.18	<2.63	3.2	-	-	-	-	-	-	-	-	-	-	-
	3/15/07	-	-	-	**350**	**430**	-	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	-	-	-	-	-	-
	7/2/07	-	-	-	**320**	**230**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
September Samples	**10/2/07**	-	-	-	**620**	**460**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/20/07	-	-	-	**1,700**	**920**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/20/08	-	-	-	**927**	**1,200**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/12/08	-	-	-	**1,860**	**1,900**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	--
	9/10/08	-	-	-	**338**	**260**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/30/08	-	-	-	**774**	**750**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/12/09	-	-	-	**50**	<8.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/23/09	-	-	-	**2,600**	**2,100**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/23/09	-	-	-	**1,000**	*2.4*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/14/09[E]	-	-	-	**2.2**	**870**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/10/10	-	-	-	**910**	**700**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/23/10	-	-	-	**1,500**	**1,000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/17/11	-	-	-		*14*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/17/11	-	-	-	**1,390**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/23/2011[H]	-	-	-	**410**	**260**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/22/11[ZZ]	-	-	-	**6,800**	**2,000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/12/11	-	-	-	**1,700**	**1,100**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/21/12[AH]	-	-	-	**330**	**240**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/7 /12[AH]	-	-	-	**878**	**1**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/14/12[AH]	-	-	-	51	<0.00.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/20/13[AH]	-	-	-	**164**	**140**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/18/13[AH]	-	-	-	**511**	**410**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/26/13[AH]	-	-	-	**876**	**6,940**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/12/14	-	-	-	**905**	<3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/17/14	-	-	-	**382**	**360**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/13/14	-	-	-	**673**	**650**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Between Carbon	**6/18/02**	-	-	-	-	-	-	-	-	-	-	-	-	<0.57	<0.75	<0.48	<0.47	<0.85	<0.43	<0.85	-	<0.57	<0.47	<0.69	<0.72	<0.89	<0.52	<0.18	<1.94	--	-	-	-	-	-	-	-	-	-	-
Drums- Unfiltered	**9/30/02**	-	-	-	-	-	-	-	-	-	-	-	-	3.8	<0.45	62	<0.55	<0.56	<0.53	*3.8*	-	<0.63	<0.84	*130*	<0.50	<0.39	<0.64	**0.29**	<1.83	200	-	-	-	-	-	-	-	-	-	-	-
	12/23/02	-	-	-	-	-	-	-	-	-	-	-	-	<4.2	<2.2	*2.20*	<2.8	<2.8	<2.4	**6.7**	-	<3.1	<4.2	**710**	<2.5	<1.9	<3.2	<0.55	<9.1	987	-	-	-	-	-	-	-	-	-	-	-
(a.k.a. Between GAC's)	**3/31/03**	-	-	-	-	-	-	-	-	-	-	-	-	<9.7	<3.7	*5.30*	<3.6	<5.7	<5.4	**11**	-	<4.5	<6.7	**1,400**	<4.2	<4.8	<8.3	<1.8	<26.3	1,941	-	-	-	-	-	-	-	-	-	-	-
	6/16/03	-	-	-	-	-	-	-	-	-	-	-	-	5.5	<0.74	*98*	<0.72	*4.6*	<1.1	**6.5**	-	<0.90	<1.3	**200**	<0.84	<0.96	<1.7	**0.52**	<5.3	315	-	-	-	-	-	-	-	-	-	-	-
	9/23/03	-	-	-	-	-	-	-	-	-	-	-	-	<9.7	<3.7	*530*	<3.6	**15**	<5.4	**5.9**	-	<4.5	<6.7	**1,400**	<4.2	<4.8	<8.3	<1.8	<26.3	1,951	-	-	-	-	-	-	-	-	-	-	-
	12/9/03	-	-	-	-	-	-	-	-	-	-	-	-	<24	<9.2	**900**	<9.0	**120**	<14	<11	-	<11	<17	**3,700**	<10	<12	<21	<4.5	<66	4,720	-	-	-	-	-	-	-	-	-	-	-
	5/19/04	-	-	-	-	-	-	-	-	-	-	-	-	<24	<9.2	*740*	<9.0	**21**	<14	<11	-	<11	<17	**2,100**	<10	<12	<21	<4.5	<66	2,861	-	-	-	-	-	-	-	-	-	-	-
	6/29/04	-	-	-	-	-	-	-	-	-	-	-	-	<19	*<7.4*	*750*	<7.2	**220**	<11	<8.6	-	<9.0	<13	**3,400**	<18	<9.6	<17	<3.6	<53	4,370	-	-	-	-	-	-	-	-	-	-	-
	10/6/04	-	-	-	-	-	-	-	-	-	-	-	-	2.2	<0.37	15	<0.36	<0.57	<0.54	*2.6*	-	<0.45	<0.67	*67*	<0.42	<0.48	<0.83	<0.18	<2.63	86.8	-	-	-	-	-	-	-	-	-	-	-
	1/4/05	-	-	-	-	-	-	-	-	-	-	-	-	*4.7*	<0.37	*390*	*2.2*	**20**	<0.54	**6.2**	-	<0.45	<0.67	**1,600**	<0.42	<0.48	<0.83	**1.1**	<2.63	-	-	-	-	-	-	-	-	-	-	-	-
	3/8/05	-	-	-	-	-	-	-	-	-	-	-	-	<9.7	<3.7	*<7.5*	<3.6	<5.7	<5.4	<4.3	-	<4.5	<6.7	<9	<4.2	<4.8	<8.3	<1.8	<26.3	-	-	-	-	-	-	-	-	-	-	-	-
	6/21/05	-	-	-	-	-	-	-	-	-	-	-	-	5.4	<1.8	*230*	<1.8	<2.8	<2.7	*4.5*	-	<2.2	<3.4	**470**	<2.1	<2.4	<4.1	<0.9	<13.1	700	-	-	-	-	-	-	-	-	-	-	-
	9/12/05	-	-	-	-	-	-	-	-	-	-	-	-	<19	*<7.4*	*690*	<17	<11	<11	<8.6	-	<9.0	<13	**1,700**	<8.4	<9.6	<17	<3.6	<53	2,390	-	-	-	-	-	-	-	-	-	-	-
	12/20/05	-	-	-	-	-	-	-	-	-	-	-	-	<0.97	<0.37	1.3	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	9.9	<0.42	<0.48	<0.83	<0.18	<2.63	11	-	-	-	-	-	-	-	-	-	-	-

Table 2
Groundwater Analytical Results
Wisconsin Chrome, Kaukauna, Wisconsin / Project #58127047

		Mercury (ug/L)	Cadmium (ug/L)	Chloride (mg/L)	Total Chromium (ug/L)	Hexavalent Chromium (ug/L)	Copper (ug/l)	Iron (ug/l)	Sulfate Dissolved (mg/l)	Sulfide Dissolved (ug/l)	Lead (ug/l)	Nickel (ug/l)	Silver (ug/l)	Zinc (ug/l)	Chloroethane (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Ethylbenzene (ug/L)	Methylene Chloride (ug/L)	Methyl isobutyl ketone (MIBK) (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	Trichloroethene (ug/L)	1,3,5-Trimethylbenzene (ug/L)	Vinyl Chloride (ug/L)	Xylenes (ug/L)	Total VOCs (ug/L)	BOD (mg/L)	Cyanide (mg/L)	Phosphorous, total (mg/L)	Oil & Grease, total (mg/L)	Suspended Solids, total (mg/L)	pH	Conductivity	Manganese (ug/L)	Nitrogen,Nitrate-Dissolved (mg/L)	TOC as NPOC (mg/L)	TOC as NPOC (DOC) Dissolved (mg/L)
		Metals													Volatile Organic Compounds (VOC)																Other											
NR 140 PAL		0.5	125	10	10	130	150	125	NE	1.5	20	10	NE	80	0.6	85	0.5	0.7	140	0.5	50	0.5	200	40	0.5	0.5	96	0.02	1,000	NE	NE	40	NE	NE	NE	NE	NE	NE	NE	NE	NE
NR 140 ES		5	250	100	100	1,300	300	250	NE	15	100	50	NE	400	6	850	5	7	700	5	500	5	1,000	200	5	5	480	0.2	10,000	NE	NE	200	NE	NE	NE	NE	NE	NE	NE	NE	NE
HOTV Discharge Limits		300	NE	4,000	NE	4,000	NE			690	4,100	NE	4,200											Total Toxic Organics (TTO) < 2,130						NE	1,900	NE	100	NE	5-9					
Sample Location	**Sample Date**																																							
	3/6/06	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4	<0.37	12	<0.36	<0.57	<0.54	1	-	<0.45	<0.67	72	<0.42	<0.48	<0.83	<0.18	<2.63	86	-	-	-	-	-	-	-	-	-	-	-
	6/15/06	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.97	<3.7	460	<3.6	24	<5.4	<4.3	-	<4.5	<6.7	1,300	<4.2	<4.8	<8.3	<1.8	<26.3	1,784	-	-	-	-	-	-	-	-	-	-	-
	6/19/06[U]	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.97	<3.7	460	<3.6	22	<5.4	<4.3	-	<4.5	<6.7	1,300	<4.2	<4.8	<8.3	<1.8	<26.3	1,782	-	-	-	-	-	-	-	-	-	-	-
	9/11/06	-	-	-	-	-	-	-	-	-	-	-	-	-	<19	<7.4	450	<7.2	50	<11	<8.6	-	<9.0	<13	1,000	<8.4	<9.6	<17	<3.6	<53	1,500	-	-	-	-	-	-	-	-	-	-	-
	9/11/06[D]	-	-	-	-	-	-	-	-	-	-	-	-	-	<19	<7.4	470	<7.2	52	<11	<8.6	-	<9.0	<13	1,000	<8.4	<9.6	<17	<3.6	<53	1,522	-	-	-	-	-	-	-	-	-	-	-
Between Carbon	12/11/06	-	-	-	-	-	-	-	-	-	-	-	-	-	<9.7	<3.7	470	4	110	<5.4	<4.3	-	<4.5	<6.7	1,400	<4.2	<4.8	<8.3	<1.8	<26.3	1,984	-	-	-	-	-	-	-	-	-	-	-
Drums- Unfiltered	3/15/07	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.63	0	-	-	-	-	-	-	-	-	-	-	-
(a.k.a. Between GAC's)	7/2/07	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.97	<3.7	230	<4.6	<0.57	<5.4	<4.3	-	<4.5	<6.7	660	<4.2	<4.8	<8.3	<1.8	<8.3	890	-	-	-	-	-	-	-	-	-	-	-
	7/20/7[D]	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.97	<3.7	430	<4.6	<0.57	<5.4	<4.3	-	<4.5	<6.7	1,300	<4.2	<4.8	<8.3	<1.8	<8.3	1,730	-	-	-	-	-	-	-	-	-	-	-
	10/03/07[G]	-	-	-	-	-	-	-	-	-	-	-	-	-	<19	<7.4	540	<7.2	14	<11	<8.6	-	<9.0	<13	1,500	<8.4	<9.6	<17	<3.6	<53	2,054	-	-	-	-	-	-	-	-	-	-	-
	10/03/07[GD]	-	-	-	-	-	-	-	-	-	-	-	-	-	<19	<7.4	530	<7.2	15	<11	<8.6	-	<9.0	<13	1,500	<8.4	<9.6	<17	<3.6	<53	2,045	-	-	-	-	-	-	-	-	-	-	-
	12/20/07	-	-	-	-	-	-	-	-	-	-	-	-	-	<19	<7.4	400	<7.2	43	<11	<8.6	-	<9.0	<13	1,400	<8.4	<9.6	<17	<3.6	<53	1,843	-	-	-	-	-	-	-	-	-	-	-
	3/20/08	-	-	-	-	-	-	-	-	-	-	-	-	-	<19	<7.4	376	<7.2	26.4	<11	<8.6	-	<9.0	<13	1,400	<8.4	<9.6	<17	<3.6	<53	1,802	-	-	-	-	-	-	-	-	-	-	-
	6/12/08	-	-	-	-	-	-	-	-	-	-	-	-	-	<19	<7.4	376	<7.2	23.2	<11	<8.6	-	<9.0	<13	1,900	<8.4	<9.6	<17	<3.6	<53	2,568	-	-	-	-	-	-	-	-	-	-	-
	9/19/08	-	-	-	-	-	-	-	-	-	-	-	-	-	<.97	<1.3	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	2.80	<0.42	<0.48	<0.83	<0.18	<2.63	2.80	-	-	-	-	-	-	-	-	-	-	-
	12/30/08	-	-	-	-	-	-	-	-	-	-	-	-	-	<.97	<1.3	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	2.80	<0.42	<0.48	<0.83	<0.18	<2.63	3	-	-	-	-	-	-	-	-	-	-	-
	3/12/09	-	-	-	-	-	-	-	-	-	-	-	-	-	<.97	<1.3	1.4	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	4.80	<0.42	<0.48	<0.83	<0.18	<2.63	6	-	-	-	-	-	-	-	-	-	-	-
	6/23/09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/23/09[D]	-	-	-	-	-	-	-	-	-	-	-	-	-	<4.0	<0.80	48	<2.0	2.1	<2.0	<4.0	-	<2.0	<2.0	160	<1.0	<0.80	<0.80	<0.80	<2.0	210	-	-	-	-	-	-	-	-	-	-	-
	2/10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	<5.0	<1.0	83	<2.5	<2.5	<2.5	<5.0	-	<2.5	<2.5	240	<1.2	<1.0	<1.0	<1.0	<2.5	323	-	-	-	-	-	-	-	-	-	-	-
	9/23/10[CC]	-	-	-	20	<3	-	-	-	-	-	-	-	-	<1.0	<0.20	1.6	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	2.8	<0.25	<0.20	<0.20	<0.20	<0.50	4.4	-	-	-	-	-	-	-	-	-	-	-
	2/17/11	-	-	-	-	<3.0	-	-	-	-	-	-	-	-	<1.0	<0.20	8.6	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.50	8.6	-	-	-	-	-	-	-	-	-	-	-
	6/23/11[EE]	-	-	-	-	-	-	-	-	-	-	-	-	-	<1.0	<0.20	0.52	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	1.2	<0.25	<0.20	<0.20	<0.20	<0.50	1.72	-	-	-	-	-	-	-	-	-	-	-
	9/22/11[XX]	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4	<0.20	3.8	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.50	5.2	-	-	-	-	-	-	-	-	-	-	-
	12/12/11[AJ]	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6	<0.20	3.0	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	<0.50	<0.25	<0.20	0.21	<0.20	1.1	5.91	-	-	-	-	-	-	-	-	-	-	-
	4/4/12[AN]	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.33	<0.25	<0.24	<0.28	<0.29	<0.14	<0.63	-	<0.22	<0.15	<0.26	<0.30	<0.18	<0.23	<0.13	<0.30	0	-	-	-	-	-	-	-	-	-	-	-
	3/20/13[AN]	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.97	<1.3	2.0	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.30	<0.18	<0.23	<0.13	<0.30	2	-	-	-	-	-	-	-	-	-	-	-
	9/26/13[AN]	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.44	<0.69	27.7	<0.48	<0.43	<0.50	<0.36	-	<0.47	<0.44	5.2	<0.39	<0.36	<0.50	1.1	<1.32	34	-	-	-	-	-	-	-	-	-	-	-
	12/12/13	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3	<0.69	62.0	<0.48	1.0	<0.50	<0.36	-	<0.47	<0.44	7.81	<0.39	<0.36	<0.50	1.0	<1.32	143.4	-	-	-	-	-	-	-	-	-	-	-
	3/13/14	-	-	-	-	-	-	-	-	-	-	-	-	-	0.53 J	<0.69	75.3	<0.48	0.67	<0.50	<0.36	-	<0.47	<0.44	4.80	<0.39	<0.36	<0.50	0.64 J	<1.32	123.94	-	-	-	-	-	-	-	-	-	-	-
	6/12/14	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9	<2.5	107	<0.17	3.0	<0.50	<0.23	-	<0.50	<0.50	142	<0.16	<0.33	<0.50	1.2	<1.50	255.1	-	-	-	-	-	-	-	-	-	-	-
	9/17/14	-	-	-	-	-	-	-	-	-	-	-	-	-	2.3 J	<6.2	134	<0.42	15.6	<1.2	0.94 J	-	<1.2	<1.2	329	<0.39	<0.83	<1.2	0.90 J	<3.7	480.9	-	-	-	-	-	-	-	-	-	-	-
	1/13/14	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7 J	<6.2	154	<0.42	18.2	<1.2	<0.58	-	<1.2	<1.2	394	<0.39	<0.83	<1.2	0.68 J	<3.7	568.58	-	-	-	-	-	-	-	-	-	-	-
	3/18/15	-	-	-	-	-	-	-	-	-	-	-	-	-	2.5	<6.2	352	2.2 J	30.5	<1.2	1.1 J	-	<1.2	<1.2	653	<0.49	<0.83	<1.2	1.9 J	<3.7	1052.2	-	-	-	-	-	-	-	-	-	-	-
Post Carbon Drums	8/21/02	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.6	<0.1	<0.15	<0.12	<0.11	<0.08	<0.24	-	<0.15	<0.08	<0.14	<0.19	<0.13	<0.08	<0.16	<0.34	-	-	-	-	-	-	-	-	-	-	-
Unfiltered	8/28/02	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.6	<0.1	<0.15	<0.12	<0.11	<0.08	<0.44	-	<0.15	<0.08	<0.14	<0.19	<0.13	<0.08	<0.16	<0.34	-	-	-	-	-	-	-	-	-	-	-
	5/19/04	-	-	-	-	-	-	-	-	-	-	-	-	-	2.6	<0.37	1	<0.36	<0.57	<0.54	3.4	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.35	<0.18	<2.63	7	-	-	-	-	-	-	-	-	-	-	-
Effluent (UF)	8/30/01	-	-	59	-	-	-	-	-	-	-	-	-	-	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.43	<0.25	<0.25	<0.1	<0.25	<0.25	<0.25	<0.1	<0.25	<25	0	-	-	-	-	-	-	-	-	-	-	-
Unfiltered	9/19/01	-	-	62	<4.2	-	<42	-	-	-	-	-	-	-	<0.25	<0.25	1.8	<0.25	<0.25	<0.25	0.53	<0.25	<0.25	<0.1	5.2	<0.25	<0.25	<0.1	<0.25	<25	8	-	-	-	-	-	-	-	-	-	-	-
	10/3/01	-	-	45	140	<4.2	-	170	-	-	-	-	-	-	<0.25	<0.25	3.7	<0.25	0.25	<0.25	1.1	<0.25	<0.25	<0.1	20	<0.25	<0.25	<0.1	<0.25	<25	25	-	-	-	-	-	-	-	-	-	-	-
	10/30/01	-	-	64	95	<4.2	-	69	-	-	-	-	-	-	2.4	<0.25	44	<0.25	6.6	<0.25	2.6	<0.25	<0.25	<0.1	190	<0.25	<0.25	<0.1	<0.25	<25	246	-	-	-	-	-	-	-	-	-	-	-
	11/14/01	-	-	80	85	<4.2	-	42	-	-	-	-	-	-	<2.5	<2.5	53	<2.5	7.1	<2.5	3	<2.5	<2.5	<1.0	290	<2.5	<2.5	<1.0	<2.5	<2.5	353	-	-	-	-	-	-	-	-	-	-	-
	11/14/01	-	-	80	85	<4.2	-	42	-	-	-	-	-	-	<2.5	<2.5	51	<2.5	6.9	<2.5	2.9	<2.5	<2.5	<1.0	270	<2.5	<2.5	<1.0	<2.5	<2.5	331	-	-	-	-	-	-	-	-	-	-	-
	3/7/02	-	-	-	600	380	-	-	-	-	-	-	-	-	2.5	<1.0	190	1.8	54	<1.0	<1.0	-	<1.0	<0.4	1,400	<1.0	<1.0	<0.4	<1.0	<1.0	1,648	-	-	-	-	-	-	-	-	-	-	-
	6/18/02	-	-	48	4,600	3,700	6.6	240	-	-	-	17	-	310	<0.57	<0.75	<0.48	<0.47	<0.85	<0.43	<0.85	-	<0.57	<0.47	<0.69	<0.72	<0.89	<0.52	<0.18	<1.94	0	-	-	-	-	7.00	-	-	-	-	-
	9/30/02	-	-	-	790	640	9.4	-	-	-	1.5	30	-	320	<0.84	<0.45	<0.87	<0.55	<0.56	<0.53	0.74	-	<0.63	<0.84	1.7	<0.50	<0.39	<0.64	<0.11	<1.83	2	11	<1.4	<0.12	4.1	<1.0	7.00	-	-	-	-	-
	12/23/02	-	-	-	1,000	2	-	-	-	-	-	-	-	-	1.2	<0.45	<0.87	<0.55	<0.56	<0.53	1.1	-	<0.63	<0.84	1.8	-	<0.39	<0.64	<0.11	<1.83	4	-	-	-	-	-	6.00	-	-	-	-	-
	12/23/02[A]	-	-	-	860	-	33	-	-	-	-	<34	43	-	310	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0	12	0.13	1.1	30.0	6.40	-	-	-	-
	3/31/03	-	-	-	2,600	270	34	-	-	-	-	0.94	12	-	520	3.5	<0.37	0.99	<0.36	<0.57	<0.54	4.0	-	<0.45	<0.67	1.2	<0.42	<0.48	<0.83	<0.18	<2.63	10	<2.0	5.5	<0.11	<1.3	<6.7	4.00	-	-	-	-
	6/16/03	-	1.0	-	860	91	18	-	-	-	-	<1.3	85	-	320	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	1.4	<0.42	<0.48	<0.83	<0.18	<2.63	1	<2.0	110	<0.12	<1.1	<4.0	7.00	-	-	-	-
	9/23/03	-	<0.53	-	3,700	88	0.96	-	-	-	-	<1.3	12	-	990	2.5	<0.37	1.7	<0.36	<0.57	<0.54	2.6	-	<0.45	<0.67	2.8	<0.42	<0.48	<0.83	<0.18	<2.63	10	<2.0	12	<0.12	<0.99	<2.0	6.50	-	-	-	-
	12/09/03[A]	-	5.5	-	3,400	-	<18	-	-	-	-	<13	<4	5.8	570	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<1.1	<15	1.5	<1.0	10.4	6.30	-	-	-	-
	12/9/03	-	-	-	-	97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/21/04	<0.03	<0.17	-	12	-	3.4	-	-	-	0.14	3.8	0.050	16	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	0.56	-	<0.45	<0.67	<0.90	<0.42	<0.48	-	<0.18	-	<0.37	<20	3.9	<0.054	0.8	<2.0	5.40	-	-	-	-
	6/29/04	<0.028	<0.17	-	850	570	6.0	-	-	-	0.40	11	<0.049	140	<4.8	<1.8	410	<1.8	<2.8	<2.7	6.9	-	<2.2	<3.4	610	<1.0	<2.4	-	1.4	-	1,028.3	<2.0	<1.6	<0.23	<0.57	<2.0	-	-	-	-	-
	10/6/04	<0.028	<0.30	-	1,300	540	5.4	<18	-	-	<1.1	10	<0.76	1,200	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	2.2	<0.42	<0.48	-	<0.18	-	2.2	<2.0	<3.7	<0.23	0.70	<2.0	5.30	-	-	-	-
	11/16/04[A]	<0.092	<5.4	-	220	-	<18	-	-	-	<13	10	<3.3	500	<1.0	<0.20	0.78	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.20	1.3	<0.25	<0.20	<0.20	<0.20	<0.50	2.08	1.3	<7.7	0.04	<1.0	20	6.40	-	-	-	-
	3/8/05	<0.028	<0.3	-	230	<2.7	25	-	-	-	<1.1	20	<0.76	280	<0.97	<0.37	0.99	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	1.4	<0.42	<0.48	<0.83	<0.18	<2.6	2.39	<2	<3.7	<0.23	-	1	-	-	-	-	-
	6/3/05	<0.026	<0.3	-	850	-	26	-	-	-	<1.1	32	<0.76	820	1	<0.37	<0.57	<0.36	<0.57	<0.54	1.8	-	<0.45	<0.67	<0.9	<0.42	<0.48	<0.83	<0.18	<2.6	2.8	<2	<3.7	<0.15	<5.4	3	-	-	-	-	-
	9/12/05	<0.026	<0.28	-	530	-	20	-	-	-	<1.0	12	<1.1	390	2.3	<0.37	11	<0.36	<0.57	<0.54	3.1	-	<0.45	<0.67	3.4	<0.42	<0.48	<0.83	<0.18	<2.6	16.8	<2.0	<0.0037	<0.15	<5.2	1	-	-	-	-	-
	3/3/06	<0.072	<0.74	-	960	-	-	-	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.48	<0.67	1.2	<0.42	<0.48	<0.83	<0.18	<2.6	1.2	<2.0	<0.0037	<0.15	<5.2	0.7	-	-	-	-	-
	3/30/06[D]	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	1.1	<0.42	<0.48	<0.83	<0.18	<2.6	1.1	-	-	-	-	-	-	-	-	-	-	-
	6/2/06	<0.072	<0.74	-	330	-	-	-	-	-	<3.4	5.2	<2.6	490	1.9	<0.37	11	<0.36	<0.57	<0.54	1.8	-	<0.45	0.79	27	<0.42	<0.48	<0.83	<0.18	<2.6	40.59	-	<0.0094	0.24	<5.2	51	-	-	-	-	-
	06/02/06[D]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	<0.36	<0.57	<0.54	1.7	-	<0.45	0.76	27	<0.42	<0.48	<0.83	<0.18	<2.6	41.46	-	-	-	-	-	-	-	-	-	-	-
	9/11/06	<0.072	<0.74	-	1,300	<6.8	55	<50	-	-	<3.4	8.6	<2.6	530	2.2	<0.37	33	<0.36	<0.57	<0.54	2.4	-	<0.45	<0.67	23	<0.42	<0.48	<0.83	<0.18	<2.78	60.6	<2.0	<0.0094	<0.13	<5.1	0.3	-	-	-	-	-
	9/11/06[D]	-	-	-	-	-	-	-	-	-	-	-	-	-	2.1	<0.37	32	<0.36	<0.57	<0.054	2.3	-	<0.45	<0.67	23	<0.42	<0.48	<0.83	<0.18	<2.6	59.4	-	-	-	-	-	-	-	-	-	-	-
	1/24/07	-	-	-	1,100	<6.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/21/07	-	-	-	1,100	<6.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
March 2007 HOTV	3/15/07	<0.072	<0.74	-	1,100	<6.8	31	-	-	-	<3.4	7.8	<2.6	710	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.6	0	<2	<0.0094	<0.13	<5.4	2.8	-	-	-	-	-
	3/15/07[D]	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.6	0	-	-	-	-	-	-	-	-	-	-	-
	4/18/07	-	-	-	380	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
June 2007 HOTV	6/8/07	<0.10	<0.55	-	770	-	15	<50	-	-	<1.6	5.2	<1.0	500	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.6	0	<2.0	<0.0060	<0.17	<5.1	1.9	-	-	-	-	-
	6/08/07[D]	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.97	<0.37	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	<0.83	<0.18	<2.6	0	-	-	-	-	-	-	-	-	-	-	-
	7/19/07	-	-	-	1,100	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/14/07	-	-	-	2,200	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
September 2007 HOTV	10/02/07[D]	<0.10	<0.097	-	260	<3.4	21	-	-	-	0.06	12	<0.11	620	1.7	<0.37	4.4	<0.36	<0.57	<0.54	1.3	-	<0.45	2.5	6.2	<0.42	<0.48	<0.83	<0.18	<2.6	16.1	<2.0	<0.0060	<0.17	<5.3	1.1	-	-	-	-	-
	10/24/07	-	-	-	530	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/21/07	-	-	-	760	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/20/07	-	-	-	1,200	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1/31/08	-	-	-	160	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/28/08	-	-	-	1,050	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
March 2008 HOTV	3/20/08	<0.10	0.17	-	206	<3.4	6.2	-	-	-	<1.4	11	<0.34	237	<0.97	<0.37	0.76	<0.36	<0.57	<0.54	<0.43	<1.2	<0.45	1.1	6.5	<0.42	<0.48	<0.83	<0.18	<2.6	8.36	<2.0	<0.0060	<0.17	1.9	5.8	-	-	-	-	-
	3/20/08	-	-	-	203	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/30/08	-	-	-	104	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/30/08	-	-	-	252	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
June 2008 HOTV	6/12/08	<0.10	0.27	-	174	-	15.1	-	-	-	<1.4	4.9	0.41	222	<4.8	<1.8	208	<1.8	<2.8	<2.7	<2.2	<6	<2.2	<3.4	545	<2.1	<2.4	<4.2	<0.9	<13.0	975	<2.0	0.008	<0.17	-	<.31	-	-	-	-	-
	7/25/08	-	-	-	540	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/7/08	-	-	-	1,160	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sept 2008 HOTV	9/19/08	<0.10	0.32	-	1,500	-	12.4	-	-	-	1.7	7.6	0.47	440	<9.7	<13	201	<3.6	<5.7	<5.4	<4.3	<12	<4.5	<6.7	728	<4.2	<4.8	<8.3	<1.8	<26	929	<2.0	0.0084	<0.17	3.1	<0.36	-	-	-	-	-
	10/31/08	-	-	-	2,470	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/26/08	-	-	-	428	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 2
Groundwater Analytical Results
Wisconsin Chrome, Kaukauna, Wisconsin / Project #58127047

		Mercury (ug/L)	Cadmium (ug/L)	Chloride (mg/L)	Total Chromium (ug/L)	Hexavalent Chromium (ug/L)	Copper (ug/l)	Iron (ug/l)	Sulfate Dissolved (mg/l)	Sulfide Dissolved (ug/l)	Lead (ug/l)	Nickel (ug/l)	Silver (ug/l)	Zinc (ug/l)	Chloroethane (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Ethylbenzene (ug/L)	Methylene Chloride (ug/L)	Methyl isobutyl ketone (MIBK) (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	Trichloroethene (ug/L)	1,3,5-Trimethylbenzene (ug/L)	Vinyl Chloride (ug/L)	Xylenes (ug/L)	Total VOCs (ug/L)	BOD (mg/L)	Cyanide (mg/L)	Phosphorous, total (mg/L)	Oil & Grease, total (mg/L)	Suspended Solids, total (mg/L)	pH	Conductivity	Manganese (ug/L)	Nitrogen,Nitrate-Dissolved (mg/L)	TOC as NPOC (mg/L)	TOC as NPOC (DOC) Dissolved (mg/L)
		Metals													Volatile Organic Compounds (VOC)																	Other											
NR 140 PAL		0.5	125	10	10	130	150	125	NE	1.5	20	10	NE	80	0.6	85	0.5	0.7	140	0.5	50	0.5	200	40	0.5	0.5	96	0.02	1,000	NE	NE	40	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
NR 140 ES		5	250	100	100	1,300	300	250	NE	15	100	50	NE	400	6	850	5	7	700	5	500	5	1,000	200	5	5	480	0.2	10,000	NE	NE	200	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
HOTV Discharge Limits		300	NE	4,000	NE	4,000	NE			690	4,100	NE	4,200	Total Toxic Organics (TTO) < 2,130																	NE	1,900	NE	100	NE	5-9						
Sample Location	**Sample Date**																																									
	12/11/08	-	-	-	320	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1/30/09	-	-	-	484	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/26/09	-	-	-	238	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/12/09	-	-	-	723	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
March 2009 HOT V	3/12/09	<0.10	0.17	-	651	-	32	-	-	-	2.7	2.9	<0.34	223	< .97	<1.3	4.8	<0.36	< .57	<.54	< .43	<1.2	<.45	< .67	14.3	<.42	<.48	<.83	<.18	<2.6	19.1	<2.0	<0.0060	<0.17	1.8	1.4	-	-	-	-	-	-
	6/23/09	<0.065	<1.1	-	340	<2.5	<18	-	-	-	<13	4.3	1.4	40	<1.0	<0.20	0.90	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	1.6	<0.25	<0.20	<0.20	<0.20	<0.50	2.50	<2.0	<0.017	<0.10	1.4	6.0	-	-	-	-	-	-
	9/23/09 [Q]	<0.065	*1.8*	-	510	*16*	34	-	-	-	36	9.3	<1.3	100	<1.0	<0.20	0.59	<0.50	>0.50	<0.50	<1.0	-	<0.50	<0.50	0.67	<0.25	<0.20	<0.20	<0.20	<0.50	1.26	<2.0	<0.017	-	<0.72	11	-	-	-	-	-	-
	3/29/10	-	-	-	500	*1.10*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
System Effluent	12/14/09 [f]	-	-	-	220	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/10/10	<0.065	<5.0	-	410	<2.5	84	-	-	-	<16	9.1	<3.7	550	<1.0	<0.20	0.59	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.50	0.59	<2.0	0.063	-	<0.72	7.0	-	-	-	-	-	-
	9/29/10 [PO]	<0.065	<5.0	-	410	<3.0	39	-	-	-	<16	15	<3.7	260	<1.0	<0.20	1.4	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	1.7	<0.25	<0.20	<0.20	<0.20	<0.50	3.1	-	<0.0081	<0.10	1.2	170	-	-	-	-	-	-
	10/7/10	-	-	-	500	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/3/10	-	-	-	1,500	*2.2*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1/6/11	-	-	-	3,500	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/17/2011 [BE, HK]	<0.051	<0.25	-	150	*15*	69	-	-	-	*2*	4.5	<0.86	97	<1.0	<0.20	0.72	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	0.66	<0.25	<0.20	<0.20	<0.20	<0.50	1.38	<5.4	4.2	0.019	<1.9	110	-	-	-	-	-	-
	3/17/11 [I]	<0.051	-	-	196	3.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/14/11	-	-	-	120	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/23/11	-	-	-	560	*6.8*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/23/11 [MM]	-	-	-	180	*4.6*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7/14/11 [H]	-	-	-	390	6.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/18/11 [LL]	0.070	*1.1*	-	490	280	63	-	-	-	*5.8*	9.5	<0.71	210	<1.0	<0.20	<0.50	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.50	0	<2.0	<0.0011	<0.019	<1.9	20	-	-	-	-	-	-
	9/22/11 [WW]	<0.070	*1.2*	-	650	7.1	36	-	-	-	*4.2*	15	<0.71	160	<1.0	<0.20	<0.50	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.50	0	<2.0	0.0017	0.030	<2.0	5.0	-	-	-	-	-	-
Grab Sample	10/6/11 [Y]	-	-	-	690	*11*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grab Sample	11/22/11	-	-	-	410	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/12/11	-	-	-	*92*	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1/18/12	-	-	-	850	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/29/12	-	-	-	320	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/21/12 [XO]	<0.070	6.0	-	4,200	*10*	*1,000*	-	-	-	*13*	1,900	<1.1	3,500	<1.0	<0.20	<0.50	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.50	0	<4.0	0.0022	0.18	<1.8	530	-	-	-	-	-	-
	4/4/12	-	-	-	190	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/7/12	-	-	-	329	<3	48	-	-	-	2.6	3	<2.3	347	-	<1.3	<0.75	<0.36	< .75	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.48	<0.48	-	<0.18	-	-	-	<0.0043	<0.088	<0.94	8	-	-	-	-	-	-
	9/14/12	-	-	-	2,490	4.9	943	-	-	-	58.7	328	<2.3	2,160	<0.97	10.6	<0.75	<0.36	<0.57	<0.54	18.9	-	<0.45	<0.67	<0.90	<0.42	<0.48	-	<0.18	-	3.9	0.011	-	<0.088	167	-	-	-	-	-	-
	2/7/13	-	-	-	2,190	4.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/20/13	-	0.8	-	222	<3.4	60.6	-	-	-	*2.3*	2.5	<1.4	282	<0.97	<1.3	<0.75	<0.36	<0.57	<0.54	<0.43	-	<0.45	<0.67	<0.90	<0.42	<0.48	-	<0.18	-	2.3	0.0046	<0.088	<1.0	4	-	-	-	-	-	-
	4/11/13	-	-	-	197	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/1/13	-	-	-	379	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/18/13	-	0.64	-	464	<3.4	14.4	-	-	-	<2.7	9.0	<1.7	123	<0.44	<0.69	1.2	<0.48	<0.43	<0.50	0.37	-	<0.47	<0.44	1.1	<0.39	<0.43	-	<0.18	-	-	<2.0	0.0039	<0.052	<1.0	2.0	-	-	-	-	-	-
	7/18/13	-	-	-	1,910	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/8/13	-	-	-	1,880	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/26/13	-	<0.48	-	296	<3.4	-	-	-	-	<2.7	5.8	<1.7	342	<0.44	<0.69	0.3	<0.48	<0.43	<0.50	<0.36	-	<0.47	<0.44	<0.44	<0.39	<0.36	-	-	-	-	<2.0	0.0087	<0.052	<1.0	0.29	-	-	-	-	-	-
	11/14/13	-	-	-	148	3.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/10/13	-	-	-	128	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/15/14	-	-	-	789	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/13/14	-	-	-	1,770	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/13/14	<0.10	2.6 J	-	341	<3	28.2	-	-	-	4.2 J	8.9 J	<1.7	357	<0.44	<0.69	2.6	<0.48	<0.43	<0.50	<0.36	-	<0.47	<0.44	4.4	<0.39	<0.36	-	<0.18	-	4.4	<2.0	0.0051 [J]	<0.052	<1.0	2	-	-	-	-	-	-
	04/22/14	-	-	-	101	<3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/13/14	-	-	-	3,700	*1.2*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/12/14	<0.10	<1.0	-	315	<3.9	91.4	-	-	-	<1.6	9.3 J	<3.2	723	<0.37	<2.5	0.38 [XO]	<0.17	<0.41	<0.50	<0.23	-	<0.50	<0.50	0.53 [XO]	<0.16	<0.33	-	<0.18	-	0.91	<2.0	<0.010	<0.052	<0.85	17.0	-	-	-	-	-	-
System Effluent	08/13/14	-	-	-	*27.1*	<3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(continued)	09/17/14	<0.10	<1.0	-	*53.2*	4.3	4.6 J	-	-	-	<1.6	6.9 J	<3.2	249	<0.37	<2.5	0.91 J	<0.17	<0.41	<0.50	<0.23	-	<0.50	<0.50	1.5	<0.25	<0.33	-	<0.18	-	2.4	<2.0	<0.010	<0.052	0.86 J	<0.95	-	-	-	-	-	-
	10/16/14	-	-	-	*87.0*	*86*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/13/14	-	-	-	294	310	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/12/14	-	-	-	*13.4*	<3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	01/12/15	-	-	-	*19.2*	<3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/04/15	-	-	-	*12.8*	<3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/18/15	<0.10	1.2 J	-	*25.2*	*14*	14.2	-	-	-	<1.6	8.6 J	<3.2	160	<0.37	<2.5	0.84 J	<0.17	<0.41	<0.50	<0.23	-	<0.50	<0.50	0.91 J	<0.20	<0.33	-	<0.18	-	1.8	<2.0	0.29	<0.052	<0.84	<0.95	7.4	-	-	-	-	-
	04/15/15	-	-	-	3.6 J	<3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Between Cation Canisters	12/14/09 [f]	-	-	-	900	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/10/10	-	-	-	1,000	940	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/7/10	-	-	-	620	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/3/10	-	-	-	2,000	*17*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1/6/11	-	-	-	790	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/17/11	-	-	-	-	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/17/2011 [Y]	-	-	-	398	240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/14/11	-	-	-	120	*49*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/23/11	-	-	-	120	<3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/23/11 [MM]	-	-	-	460	480	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7/14/11	-	-	-	740	750	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/18/11	-	-	-	1,400	1,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/22/11	-	-	-	1,600	1,400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/6/11 [Y]	-	-	-	1,400	1,200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/22/11	-	-	-	1,300	1,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/12/11 [AJ]	-	-	-	1,300	960	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1/18/12	-	-	-	1,700	1,200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/29/12	-	-	-	1,400	1,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/21/12 [XH]	-	-	-	210	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/4/12 [AI]	-	-	-	*70*	*46*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/14/12 [AI]	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.97	<1.3	1.9	<0.36	<0.57	<0.54	<0.43	-	<0.48	<0.67	<.090	<0.42	<0.48	-	<0.18	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/7/13	-	-	-	562	260	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/7/13	-	-	-	712	440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/11/13	-	-	-	*49.9*	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/1/13	-	-	-	289	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7/18/13	-	-	-	1,910	2,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/8/13	-	-	-	1,880	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/14/13	-	-	-	193	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/10/13	-	-	-	780	780	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1/15/14	-	-	-	219	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/13/14	-	-	-	330	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/13/14	-	-	-	341	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/22/14	-	-	-	33.2	<3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	05/13/14	-	-	-	52.9	<3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	06/12/14	-	-	-	408	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/13/14	-	-	-	253	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	09/17/14	-	-	-	299	330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/16/14	-	-	-	361	380	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/13/14	-	-	-	685	740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/12/14	-	-	-	98.0	*94.0*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 2
Groundwater Analytical Results
Wisconsin Chrome, Kaukauna, Wisconsin / Project #58127047

		Mercury (ug/L)	Cadmium (ug/L)	Chloride (mg/L)	Total Chromium (ug/L)	Hexavalent Chromium (ug/L)	Copper (ug/l)	Iron (ug/l)	Sulfate Dissolved (mg/l)	Sulfide Dissolved (ug/l)	Lead (ug/l)	Nickel (ug/l)	Silver (ug/l)	Zinc (ug/l)	Chloroethane (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,2-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Ethylbenzene (ug/L)	Methylene Chloride (ug/L)	Methyl isobutyl ketone (MIBK) (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	Trichloroethene (ug/L)	1,3,5-Trimethylbenzene (ug/L)	Vinyl Chloride (ug/L)	Xylenes (ug/L)	Total VOCs (ug/L)	BOD (mg/L)	Cyanide (mg/L)	Phosphorous, total (mg/L)	Oil & Grease, total (mg/L)	Suspended Solids, total (mg/L)	pH	Conductivity	Manganese (ug/L)	Nitrogen,Nitrate-Dissolved (mg/L)	TOC as NPOC (mg/L)	TOC as NPOC (DOC)-Dissolved (mg/L)
		Metals													Volatile Organic Compounds (VOC)																	Other										
NR 140 PAL		0.5	125	10	10	130	150	125	NE	1.5	20	10	NE	80	0.6	85	0.5	0.7	140	0.5	50	0.5	200	40	0.5	0.5	96	0.02	1,000	NE	NE	40	NE	NE	NE	NE	NE	NE	NE	NE	NE
NR 140 ES		5	250	100	100	1,300	300	250	NE	15	100	50	NE	400	6	850	5	7	700	5	500	5	1,000	200	5	5	480	0.2	10,000	NE	NE	200	NE	NE	NE	NE	NE	NE	NE	NE	NE
HOTV Discharge Limits		300	NE	4,000	NE	4,000	NE			690	4,100	NE	4,200	Total Toxic Organics (TTO) < 2,130																	NE	1,900	NE	100	NE	5-9					
Sample Location	**Sample Date**																																								
	01/12/15	-	-	-	1,040	1,110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	02/04/15	-	-	-	378	390	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	03/18/15	-	-	-	*32.7*	*28*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	04/15/15	-	-	-	3.1 J	<3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cation Tank	**9/12/05**	<0.026	<0.28	-	530	-	20	-	-	-	<1.0	12	<1.1	390	2.3	<0.37	11	<0.36	<0.57	<0.54	*2.9*	-	<0.45	<0.67	3.3	<0.42	<0.48	<0.83	<0.18	2.6	19.8	-	-	-	-	-	-	-	-	-	-
Unfiltered	**9/12/05**	<0.026	-	-	540	<5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/14/05	-	-	-	580	*21*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/12/05	-	-	-	8,200	8,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/14/05	-	-	-	1,400	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1/24/07	-	-	-	2,600	2,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/21/07	-	-	-	2,500	2,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/15/07	-	-	-	2,600	2,400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/18/07	-	-	-	7,300	8,200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/17/07	-	-	-	250	<3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/27/07	-	-	-	12,000	12,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7/19/07	-	-	-	11,000	9,200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/14/07	-	-	-	11,000	12,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sept Monthly Sample	**10/2/07**	-	-	-	5,900	6,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/24/07	-	-	-	8,300	7,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/21/07	-	-	-	8,700	8,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/20/07	-	-	-	11,000	13,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cation Tank	**1/31/08**	-	-	-	17,000	16,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unfiltered	**2/28/08**	-	-	-	10,200	11,200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(continued)	**3/20/08**	-	-	-	1,360	1,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/30/08	-	-	-	7,880	7,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5/30/08	-	-	-	11,300	*47*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	6/12/08	-	-	-	6,600	6,900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	7/25/08	-	-	-	9,110	8,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	8/7/08	-	-	-	9,040	9,900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/19/08	-	-	-	6,420	6,700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/31/08	-	-	-	1,740	1,400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/26/08	-	-	-	3,380	2,900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/11/08	-	-	-	3,120	3,100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1/30/09	-	-	-	1,590	1,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2/26/08	-	-	-	1,250	1,200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/12/09	-	-	-	872	840	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	9/23/09	-	-	-	200	*76*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/29/10	-	-	-	190	<2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Field Blank	**9/23/09** [P]	-	-	-	-	-	-	-	-	-	-	-	-	-	<1.0	3.5	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.50	3.5	-	-	-	-	-	-	-	-	-
	3/29/10 [F,M]	-	-	-	-	-	-	-	-	-	-	-	-	-	<1.0	0.35	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	-	*0.78*	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.50	1.1	-	-	-	-	-	-	-	-	-
	9/23/10	-	-	-	-	-	-	-	-	-	-	-	-	-	<1.0	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.50	-	-	-	-	-	-	-	-	-	-
	3/17/11 [L]	-	-	-	-	-	-	-	-	-	-	-	-	-	<1.0	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.50	-	-	-	-	-	-	-	-	-	-
Trip Blank	**9/23/09**	-	-	-	-	-	-	-	-	-	-	-	-	-	<1.0	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.50	-	-	-	-	-	-	-	-	-	-
	9/24/09	-	-	-	-	-	-	-	-	-	-	-	-	-	<1.0	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.50	-	-	-	-	-	-	-	-	-	-
	3/29/10	-	-	-	-	-	-	-	-	-	-	-	-	-	<1.0	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.50	-	-	-	-	-	-	-	-	-	-
	9/23/10	-	-	-	-	-	-	-	-	-	-	-	-	-	<1.0	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.50	-	-	-	-	-	-	-	-	-	-
	3/17/11	-	-	-	-	-	-	-	-	-	-	-	-	-	<1.0	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.50	-	-	-	-	-	-	-	-	-	-
	8/18/11	-	-	-	-	-	-	-	-	-	-	-	-	-	<1.0	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.50	-	-	-	-	-	-	-	-	-	-
	9/22/11	-	-	-	-	-	-	-	-	-	-	-	-	-	<1.0	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.50	-	-	-	-	-	-	-	-	-	-
	12/12/11	-	-	-	-	-	-	-	-	-	-	-	-	-	<1.0	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.50	-	-	-	-	-	-	-	-	-	-
	3/21/12	-	-	-	-	-	-	-	-	-	-	-	-	-	<1.0	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	-	<0.50	<0.50	<0.50	<0.25	<0.20	<0.20	<0.20	<0.50	-	-	-	-	-	-	-	-	-	-

Table 2
Groundwater Analytical Results
Wisconsin Chrome, Kaukauna, Wisconsin Terracon Project No. 58127047

NOTES:
Units reported are micrograms per liter (ug/L) which is approximately equal to parts per billion (ppb) unless otherwise noted. Chloride, BOD, Phosphorus, and Oil and Grease, Suspended Solids, Sulfate Dissolved, Cyanide, and TOC and NPOC (DOC) - Dissolved are reported in units of milligrams per liter (mg/L).
PAL- Preventive Action Limit
ES - Enforcement Standard
HOTV - Heart of the Valley Metropolitan Sewerage District
BOD - Biological Oxygen Demand
NE - Not Established
- Not available or Not analyzed

Bold Date - sampling occurred after treatment system (Sump A - 8/13/01 and Sump B - 9/19/01) operational and ferric chloride injection (8/13/01)
Bold and Highlighted Concentration - compound meets or exceeds ES
Italic - compound meets or exceeds PAL
< - Indicates less than.
* P-4, P-7, P-8, P-9, and P-12 re-named prior to December 2003 sampling event.
[A] - Sample collected by HOTV
[B] - P-6A was not developed prior to sampling on 12/15/03.
[C] - MW-15, MW-16, P-1A, P-2A, P-7A, P-15A, P-16A and P-15B were developed immediately prior to sampling on 12/2003.
[D] - Duplicate Sample
[E] - Benzene was detected at a concentration of 5.4 ug/l in P-2A from the April 24, 2004 sampling event.
[F] - July sample date is actually for June event.
[G] - October sample date is actually for September event.
[H] - Total Chromium analyte was detected in the associated Method Blank.
[I] - Chloroethane and 1,1,2-Tetrachloroethane results reported between the Method Detection Limit and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ
[J] - Trichloroethene results reported between the Method Detection Limit and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ
[K] - 1,2-Dichloroethane results reported between the Method Detection Limit and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ
[L] - 2,3-Dichloropropene was detected at a concentration of 0.78 ug/l and results reported between the Method Detection Limit and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ
[M] - Tetrachloroethene and toluene results reported between the Method Detection Limit (MDL) and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ
[N] - 1,1,1-Trichloroethane and 1,1,2-Trichloroethane results reported between the Method Detection Limit and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ
[O] - 1,1-Dichloroethene results reported between the Method Detection Limit and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ
[P] - Bromodichloromethane was detected at a concentration of 3.0 ug/l. Chlorodibromomethane was detected at a concentration of 0.65 ug/l and results reported between the MDL and LOQ are less certain than results at or above the LOQ.
[Q] - Cadmium, Copper, Lead, Nickel, 1,1-Dichloroethane, and 1,1,1-Trichloroethane results reported between the MDL and LOQ are less certain than results at or above the LOQ .
[R] - Benzene was detected at a concentration of 0.28 ug/l and results reported between the MDL and LOQ are less certain than results at or above the LOQ. Cis-1,2-Dichloroethene was detected at a concentration of 1.8 ug/l.
[S] - Chromium results reported between the Method Detection Limit and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.
[T] - Chloroform and tetrachloroethene results reported between the Method Detection Limit and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ
[U] - Bromodichloromethane was detected at a concentration of 0.79 ug/l, bromoform was detected at a concentration of 0.79 ug/l, and chlorodibromomethane was detected at a concentration of 1.2 ug/l.
[V] - Hexavalent chromium sample was received and analyzed past holding time.
[W] - BOD - 5 Day - The sample dilutions set-up for the BOD analysis did not meet the oxygen depletion criteria of at least 2 mg/l. Therefore the reported result is an estimated value only. Cyanide, nickel, and 1,1-dichloroethane results reported between the Method Detection Limit and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.
[X] - Chloroform, 1,1,2-Trichloroethane, and Trichloroethene results reported between the MDL and LOQ are less certain than results at or above the LOQ.
[Y] - Chloroethane and Trichloroethene results reported between the MDL and LOQ are less certain than results at or above the LOQ.
[Z] - 1,1-Dichloroethane and 1,1-Dichloroethene results reported between the MDL and LOQ are less certain than results at or above the LOQ.
[AA] - Chloroform and cis-1,2-Dichloroethene results reported between the MDL and LOQ are less certain than results at or above the LOQ. cis-1,2-Dichloroethene was detected at a concentration of 1.4 ug/l.
[BB] - Hexavalent chromium results reported between the MDL and LOQ are less certain than results at or above the LOQ.
[CC] - Chromium and 1,1-Dichloroethane results reported between the MDL and LOQ are less certain than results at or above the LOQ.
[DD] - Oil & Grease, Copper, Nickel, 1,1-Dichloroethane and 1,1,1-Trichloroethane results reported between the MDL and LOQ are less certain than results at or above the LOQ.
[EE] - 1,1-Dichloroethane and 1,1,1-Trichloroethane results estimated value. Analyte detected at a level less than the RL and greater than or equal to the MDL. The user of this data should be aware that this data is of limited reliability.
[FF] - Chromium MS and/or MSD were outside control limits.
[GG] - Trichloroethene results estimated value. Analyte detected at a level less than the RL and greater than or equal to the MDL. The user of this data should be aware that this data is of limited reliability.
[HH] - Chromium reported post digestion spike is out of acceptance limits for this analyte.
[II] - Hexavalent chromium results estimated value. Analyte detected at a level less than the RL and greater than or equal to the MDL. The user of this data should be aware that this data is of limited reliability.
[JJ] - Bromodichloromethane detection 0.25; Bromoform detection 0.21;Chlorodibromomethane detection 0.34. Estimated values. Analyte detected at a level less than the RL and greater than or equal to the MDL. The user of this data should be aware that this data is of limited reliability.
[KK] - BOD and TSS analysis-Sample was prepped or analyzed beyond the specified holding time. Cyanide, lead, nickel, and phosphorus as P results are less than the RL but greater than or equal to the MDL and the concentrations are approximate values. Cyanide and lead compounds were found in the blank and sample.
[LL] - Cadmium, nickel, and mercury - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. Mercury and total suspended solids - Compound was found in the blank and sample. Mercury - LCS or LCSD exceeds the control limits, and ICV,CCV,ICB,CCB,ISA, ISB,CRI,CRA,DLCK or MRL standard: Instrument related QC exceeds the control limits.
[MM] - Chromium - Compound was found in the blank and sample.
[NN] - Chloroethane and 1,1,2-trichloroethane - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
[OO] - Chloromethane was detected at a concentration of 0.37 µg/l. Chloromethane, 1,1,2-trichloroethane, and trichloroethene result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
[PP] - Trichloroethene - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
[QQ] - Naphthalene was detected at a concentration of 26 µg/l, and 1,2,4-trimethylbenzene was detected at a concentration of 27 ug/l. Chloroethane, naphthalene, tichloroethene, and 1,2,4 - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
[RR] - Chloroethane and trichloroethene - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
[SS] - 1,2-Dichloroethane, 1,1,2-trichloroethane, and chromium - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
[TT] - 1,1-Dichloroethane and 1,1,1-Trichloroethane - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
[UU] - Chromium - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
[VV] - Trichloroethene - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
[WW] - Chlorobenzene was detected at a concentration of 0.27 ug/l. Chlorobenzene, cadmium, lead, total cyanide, phosphorus, and hexavalent chromium - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
[XX] - Chloroethane - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
[YY] - Trichloroethene and vinyl chloride - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
[ZZ] - Chromium, hexavalent - Sample analysis performed past method-specified holding time.
[AB] - cis-1,2-Dichloroethene was detected at a concentration of 1.0 ug/l. Chloroform, cis-1,2-dichloroethene, methylene chloride, and vinyl chloride - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
[AC] - Chloroethane, chloroform, trichloroethene, vinyl chloride, and chromium - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
[AD] - 1,1-Dichloroethene and chromium - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
[AE] - 1,1-Dichloroethene - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
[AF] - 1,1,2-Trichloroethane, 1,2-dichloroethane, chloroethane, chloroform, and methylene chloride - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
[AG] - Cyanide and chromium - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. Cyanide and total suspended solids - Compound was found in the blank and sample.
[AH] - Chromium, hexavalent - Sample was prepped or analyzed beyond the specified holding time.
[AI] - Chromium, hexavalent - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
[AJ] - n-Butylbenzene was detected at a concentration of 0.23 ug/l. 1,2,4-Trimethylbenzene was detected at 1.4 ug/l. n-Butylbenzene, chloroethane, 1,2,4 and 1,3,5-trimethylbenzene, and xylenes - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
[AK] - Naphthalene was detected at a concentration of 18 ug/l. 1,2,4-Trimethylbenzene was detected at 5.6 ug/l. Naphthalene, toluene, 1,2,4-trimethylbenzene, and vinyl chloride - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. Naphthalene - Compound was found in the blank and sample.
[AL] - 1,2 Dichloroethane, chloroform, trichloroethene, and vinyl chloride - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
[AM] - 1,1,2-Trichloroethane - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. 1,2,3-Trichloropropane - LCS or LCSD exceeds the control limits.
[AN] - 1,2,3-Trichloropropane - LCS or LCSD exceeds the control limits.
[AO] = Estimated concentration above the above the adjusted method detection limt and below the below the adjusted reporting limit

1. All samples collected from 1997-2003 were not filtered including metals samples.
2. There was not enough water present in MW-11 and MW-18 during the September 2004 monitoring event to sample.
3. The result is biased very high due to the sample being only partially filtered in the field (filter malfunction). Refer to April, June and October 2004 iron results for recent accurate concentrations.
4. Groundwater extraction system down July 8 and 28, 2010 due to high level alarm on floor sump. Sump filled due to heavy rainfall.
5. Groundwater extraction system down August 5, 2010. Transfer pump failed and flooded floor sump (high alarm). Transfer pump replaced.
6. All data before March 2009 supplied to SCS BT Squared by the WDNR.

Consultant transition to Foth

Sampled after installation of new carbon vessels

Sampled after Sodium Bisulfite Injection
Pre and Post injection Sampling
HOTV Discharge Limits

Prepared by: C Ingram, Terracon 11/5/2014
Checked by: S Hodgson, Terracon 10/1/12

June 2005 Revised Monitoring Program
UF Unfiltered samples

N:\Projects\2012\58127047\Working Files\Tables\[TERRACON - Wis_ Chrome_Tables_120621.xls]Table 2 Notes

Table 3
Flow Meter Summary (Gallons)
Wisconsin Chrome, Kaukauna, Wisconsin
Terracon Project No. 58127047

Date	Sump A Influent (gallons)	Sump B Influent (gallons)	Total Influent (gallons)	Total Effluent (gallons)	Total Influent Minus Effluent	Flow Meter Variation as a % of Effluent
8/14/01	4,610		4,610	13,161	-8,551	
8/30/01	35,333		35,333	43,630	-8,297	1%
1/23/02	130,130	43,590	173,720	171,780	1,940	8%
2/28/02	134,195	48,330	182,525	179,670	2,855	12%
3/7/02	146,570	48,570	195,140	192,200	2,940	1%
3/13/02	146,570	58,450	205,020	201,990	3,030	1%
3/27/02	158,898	62,854	221,752	218,641	3,111	0%
4/2/02	159,182.8	63,114.4	222,297	218,998.4	3,299	53%
4/9/02	160,636.0	63,454.5	224,091	220,734.0	3,357	3%
5/1/02	162,207.5	64,880.5	227,088.0	223,075.5	4,013	28%
5/3/02	162,412.5	64,880.5	227,293.0	223,250.5	4,043	17%
5/9/02	162,410.0	64,880	227,290.0	223,390.0	3,900	-102%
5/13/02	173,320	64,880	238,200	243,310	-5,110	-45%
5/23/02	173,320	65,230	238,550	243,740	-5,190	-19%
5/28/02	173,320	75,050	248,370	253,440	-5,070	1%
6/5/02	173,970	77,570	251,540	256,640	-5,100	-1%
6/6/02	180,320	81,480	261,800	266,780	-4,980	1%
6/11/02	196,850	93,220	290,070	294,680	-4,610	1%
6/18/02	219,680	113,140	332,820	336,690	-3,870	2%
6/19/02	222,290	115,510	337,800	341,300	-3,500	8%
6/24/02	235,760	130,860	366,620	369,810	-3,190	1%
6/25/02	238,340	133,680	372,020	375,180	-3,160	1%
7/2/02	250,810	144,970	395,780	398,530	-2,750	2%
7/4/02	259,570	148,680	408,250	410,880	-2,630	1%
7/31/02	259,890	149,180	409,070	411,590	-2,520	15%
8/1/02	264,840			420,480		
8/7/02	277,200	159,970	437,170	439,220	-2,050	-11%
8/14/02	284,640	164,650	449,290	451,000	-1,710	3%
8/21/02	291,700	169,080	460,780	462,280	-1,500	2%
8/28/02	299,390	174,920	474,310	475,410	-1,100	3%
9/4/02	305,800	180,400	486,200	487,070	-870	2%
9/11/02	312,680	185,180	497,860	498,430	-570	3%
9/23/02	312,720	185,270	497,990	498,550	-560	8%
9/26/02	319,550	190,430	509,980	510,160	-180	3%
9/30/02	323,240	192,830	516,070	516,040	30	4%
10/3/02	325,260	194,420	519,680	519,570	110	2%
10/11/02	335,050	203,690	538,740	538,020	720	3%
10/13/02	337,260	205,340	542,600	541,730	870	4%
10/14/02	337,660	205,830	543,490	542,570	920	6%
10/28/02	337,790	205,960	543,750	542,830	920	0%
11/4/02	351,490	215,900	567,390	565,600	1,790	4%
11/5/02	352,710	216,250	568,960	567,010	1,950	11%
11/7/02	354,290	217,990	572,280	570,280	2,000	2%
11/11/02	357,330	220,540	577,870	575,580	2,290	5%
11/19/02	362,430	224,680	587,110	584,500	2,610	4%
11/26/02	366,060	227,970	594,030	591,190	2,840	3%
11/27/02	366,610	228,450	595,060	592,150	2,910	7%
12/6/02	370,380	231,710	602,090	598,970	3,120	3%

Table 3
Flow Meter Summary (Gallons)
Wisconsin Chrome, Kaukauna, Wisconsin
Terracon Project No. 58127047

Date	Sump A Influent (gallons)	Sump B Influent (gallons)	Total Influent (gallons)	Total Effluent (gallons)	Total Influent Minus Effluent	Flow Meter Variation as a % of Effluent
12/10/02	370,430	232,890	603,320	600,110	3,210	8%
12/11/02	370,430	233,110	603,540	600,360	3,180	-12%
12/12/02	370,460	233,160	603,620	600,410	3,210	60%
12/17/02	373,230	234,630	607,860	604,720	3,140	-2%
12/18/02	373,590	235,000	608,590	605,490	3,100	-5%
12/23/02	375,640	237,270	612,910	609,660	3,250	4%
12/30/02	377,780	239,490	617,270	613,720	3,550	7%
1/7/03	379,730	241,540	621,270	617,530	3,740	5%
1/14/03	381,140	243,050	624,190	620,420	3,770	1%
2/14/03	385,390	246,140	631,530	627,330	4,200	6%
2/28/03	386,890	247,040	633,930	629,500	4,430	11%
3/11/03	387,910	247,040	634,950	630,490	4,460	3%
3/19/03	389,450	247,040	636,490	631,890	4,600	10%
3/26/03	391,580	247,040	638,620	633,920	4,700	5%
3/27/03	391,990	247,040	639,030	634,250	4,780	24%
3/28/03	395,230	247,040	642,270	637,400	4,870	3%
3/31/03	400,160	247,040	647,200	642,000	5,200	7%
4/14/03	414,260	247,040	661,300	654,960	6,340	9%
4/28/03	437,770	247,040	684,810	676,470	8,340	9%
4/29/03	440,560	247,190	687,750	680,000	7,750	-17%
5/12/03	458,420	281,570	739,990	729,930	10,060	5%
5/15/03	468,400	286,600	755,000	744,170	10,830	5%
5/20/03	477,820	292,530	770,350	759,120	11,230	3%
5/27/03	482,070	295,740	777,810	766,280	11,530	4%
6/5/03	492,930	305,390	798,320	786,180	12,140	3%
6/13/03	502,120	315,590	817,710	804,980	12,730	3%
6/16/03	505,860	321,430	827,290	817,820	9,470	-25%
6/17/03	506,120	321,860	827,980	818,740	9,240	-25%
6/20/03	509,860	323,890	833,750	824,280	9,470	4%
7/7/03	527,890	336,880	864,770	851,690	13,080	13%
7/8/03	529,150	337,060	866,210	852,980	13,230	12%
7/24/03	529,150	337,060	866,210	852,980	13,230	System off 7/8-7/24
8/1/03	541,620	346,390	888,010	874,190	13,820	3%
8/14/03	563,400	368,890	932,290	917,520	14,770	2%
8/27/03	580,250	377,050	957,300	942,030	15,270	2%
9/5/03	586,640	380,680	967,320	951,670	15,650	4%
9/22/03	608,640	396,440	1,005,080	988,590	16,490	2%
9/23/03	609,640	399,200	1,008,840	992,220	16,620	4%
9/24/03	611,070	399,430	1,010,500	993,930	16,570	-3%
9/29/03	615,660	402,890	1,018,550	1,001,650	16,900	4%
10/4/03	618,170	405,850	1,024,020	1,006,990	17,030	2%
10/7/03	622,700	406,690	1,029,390	1,012,110	17,280	5%
10/22/03	635,130	414,440	1,049,570	1,030,750	18,820	8%
10/27/03	636,070	414,690	1,050,760	1,031,750	19,010	19%
10/28/03	637,970	415,660	1,053,630	1,034,630	19,000	0%
11/12/03	652,630	426,990	1,079,620	1,059,730	19,890	4%
11/20/03	660,070	433,310	1,093,380	1,072,960	20,420	4%
11/28/03	678,310	447,120	1,125,430	1,103,900	21,530	4%

Table 3
Flow Meter Summary (Gallons)
Wisconsin Chrome, Kaukauna, Wisconsin
Terracon Project No. 58127047

Date	Sump A Influent (gallons)	Sump B Influent (gallons)	Total Influent (gallons)	Total Effluent (gallons)	Total Influent Minus Effluent	Flow Meter Variation as a % of Effluent
12/8/03	692,890	454,340	1,147,230	1,125,230	22,000	2%
12/15/03	698,980	461,070	1,160,050	1,137,360	22,690	6%
12/18/03	703,790	463,490	1,167,280	1,144,490	22,790	1%
12/23/03	704,140	464,080	1,168,220	1,145,310	22,910	15%
12/31/03	717,920	470,410	1,188,330	1,164,930	23,400	2%
1/23/04	738,720	480,360	1,219,080	1,194,550	24,530	2%
2/6/04	744,850	482,320	1,227,170	1,202,090	25,080	2%
2/20/04	750,120	484,100	1,234,220	1,208,850	25,370	2%
3/5/04	763,290	494,110	1,257,400	1,230,270	27,130	2%
3/19/04	769,110	519,630	1,288,740	1,286,180	2,560	0%
3/31/04	817,040	539,940	1,356,980	1,325,710	31,270	2%
4/12/04	832,690	552,920	1,385,610	1,352,810	32,800	2%
4/28/04	845,630	562,470	1,408,100	1,374,450	33,650	2%
5/11/04	858,640	574,760	1,433,400	1,398,160	35,240	3%
5/25/04	890,820	606,460	1,497,280	1,457,910	39,370	3%
6/8/04	940,300	635,020	1,575,320	1,530,280	45,040	3%
6/22/04	973,690	659,360	1,633,050	1,583,610	49,440	3%
6/30/04	988,510	668,230	1,656,740	1,605,360	51,380	3%
7/14/04	1,008,780	682,520	1,691,300	1,636,870	54,430	3%
7/28/04	1,023,120	690,920	1,714,040	1,657,680	56,360	3%
8/10/04	1,034,140	697,050	1,731,190	1,673,340	57,850	3%
8/24/04	1,043,950	701,620	1,745,570	1,686,360	59,210	4%
9/7/04	1,052,420	707,650	1,760,070	1,699,440	60,630	4%
10/1/04	1,061,540	710,520	1,772,060	1,710,440	61,620	4%
10/13/04	1,064,900	712,540	1,777,440	1,715,330	62,110	4%
10/27/04	1,069,510	715,700	1,785,210	1,772,510	12,700	1%
11/10/04	1,079,260	725,730	1,804,990	1,740,910	64,080	4%
11/24/04	1,086,000	732,700	1,818,700	1,762,600	56,100	3%
11/30/04	1,090,500	737,710	1,828,210	1,762,600	65,610	4%
12/1/04	0	0	0	0	0	0%
12/15/04	16,230	18,040	34,270	34,160	110	0%
12/31/04	26,420	24,670	51,090	51,100	-10	0%
Monthly Data Only Available to Foth Infrastructure & Environment for January, 2005						
1/15/05	17,550	11,180	28,730	28,630	-100	0%
2/21/05	51,270	46,220	97,490	97,240	250	0%
2/23/05	51,890	47,270	99,160	98,880	280	0%
2/25/05	52,380	47,370	99,750	99,410	340	0%
3/1/05	53,510	48,780	102,290	102,000	290	0%
3/4/05	54,250	50,160	104,410	104,090	320	0%
3/11/05	56,020	53,580	109,600	109,230	370	0%
3/16/05	57,280	55,900	113,180	112,760	420	0%
3/19/05	57,980	56,610	114,590	114,160	430	0%
4/1/05	70,020	66,380	136,400	135,680	720	1%
4/5/05	71,220	76,070	147,290	146,370	920	1%
4/11/05	76,180	82,550	158,730	157,720	1,010	1%
4/15/05	78,830	85,980	164,810	163,690	1,120	1%
4/19/05	81,380	89,050	170,430	169,220	1,210	1%
4/22/05	84,310	92,720	177,030	175,630	1,400	1%

Table 3
Flow Meter Summary (Gallons)
Wisconsin Chrome, Kaukauna, Wisconsin
Terracon Project No. 58127047

Date	Sump A Influent (gallons)	Sump B Influent (gallons)	Total Influent (gallons)	Total Effluent (gallons)	Total Influent Minus Effluent	Flow Meter Variation as a % of Effluent
4/25/05	87,100	95,470	182,570	181,160	1,410	1%
4/28/05	89,910	99,550	189,460	187,860	1,600	1%
5/2/05	93,130	102,530	195,660	193,990	1,670	1%
5/5/05	95,230	104,920	200,150	198,380	1,770	1%
5/11/05	98,640	108,560	207,200	205,190	2,010	1%
5/18/05	103,860	112,350	216,210	214,030	2,180	1%
5/25/05	110,620	115,700	226,320	224,040	2,280	1%
6/3/05	117,390	118,790	236,180	233,720	2,460	1%
6/10/05	122,110	121,180	243,290	240,670	2,620	1%
6/13/05	124,280	122,280	246,560	243,810	2,750	1%
6/24/05	135,600	128,630	264,230	261,100	3,130	1%
7/7/05	144,940	134,540	279,480	275,870	3,610	1%
7/15/05	150,250	138,270	288,520	284,680	3,840	1%
7/22/05	153,470	140,830	294,300	290,350	3,950	1%
7/28/05	158,460	144,010	302,470	298,310	4,160	1%
8/4/05	163,090	147,480	310,570	306,160	4,410	1%
8/11/05	166,830	150,400	317,230	312,620	4,610	1%
8/18/05	171,960	154,460	326,420	321,520	4,900	2%
8/25/05	176,570	158,350	334,920	329,760	5,160	2%
9/1/05	181,790	162,610	344,400	338,880	5,520	2%
9/8/05	189,270	168,250	357,520	351,740	5,780	2%
9/15/05	194,280	172,020	366,300	360,300	6,000	2%
9/29/05	204,400	181,000	385,400	379,110	6,290	2%
10/6/05	210,780	186,720	397,500	390,890	6,610	2%
10/14/05	215,210	190,360	405,570	398,880	6,690	2%
10/20/05	218,230	192,300	410,530	403,690	6,840	2%
11/4/05	226,020	199,350	425,370	418,290	7,080	2%
11/20/05	237,780	212,050	449,830	442,230	7,600	2%
12/1/05	240,310	220,200	460,510	452,800	7,710	2%
12/16/05	251,200	228,890	480,090	472,000	8,090	2%
12/31/05	261,880	237,180	499,060	490,790	8,270	2%
1/11/06	275,540	249,720	525,260	516,580	8,680	2%
1/25/06	281,860	254,720	536,580	527,750	8,830	2%
2/8/06	300,770	272,580	573,350	563,960	9,390	2%
2/23/06	314,750	282,610	597,360	587,570	9,790	2%
3/10/06	323,410	289,140	612,550	602,390	10,160	2%
3/23/06	343,060	304,190	647,250	636,385	10,865	2%
4/6/06	362,710	319,240	681,950	670,380	11,570	2%
4/21/06	380,620	331,760	712,380	700,020	12,360	2%
5/5/06	392,700	338,790	731,490	718,680	12,810	2%
5/18/06	414,320	349,760	764,080	750,390	13,690	2%
6/2/06	441,950	362,550	804,500	790,040	14,460	2%
6/14/06	464,030	370,030	834,060	818,300	15,760	2%
6/29/06	479,290	374,890	854,180	837,860	16,320	2%
7/14/06	488,780	378,580	867,360	850,590	16,770	2%
7/28/06	498,130	382,970	881,100	863,890	17,210	2%
8/10/06	510,250	390,030	900,280	882,480	17,800	2%
8/28/06	518,980	395,380	914,360	896,110	18,250	2%

Table 3
Flow Meter Summary (Gallons)
Wisconsin Chrome, Kaukauna, Wisconsin
Terracon Project No. 58127047

Date	Sump A Influent (gallons)	Sump B Influent (gallons)	Total Influent (gallons)	Total Effluent (gallons)	Total Influent Minus Effluent	Flow Meter Variation as a % of Effluent
9/8/06	522,510	396,880	919,390	900,960	18,430	2%
9/22/06	528,640	400,740	929,380	910,600	18,780	2%
10/6/06	539,540	408,490	948,030	928,650	19,380	2%
10/19/06	547,290	413,920	961,210	941,360	19,850	2%
11/2/06	556,050	420,410	976,460	955,970	20,490	2%
12/11/06	576,130	437,450	1,013,580	991,690	21,890	2%
12/28/06	596,330	456,550	1,052,880	1,029,450	23,430	2%
1/16/07	599,090	461,450	1,060,540	1,036,750	23,790	2%
1/26/07	599,090	467,890	1,066,980	1,042,920	24,060	2%
2/9/07	599,670	471,870	1,071,540	1,047,240	24,300	2%
2/22/07	599,990	472,640	1,072,630	1,048,280	24,350	2%
3/2/07	603,450	472,640	1,076,090	1,051,660	24,430	2%
3/15/07	607,360	473,990	1,081,350	1,056,660	24,690	2%
3/30/07	631,370	496,180	1,127,550	1,102,190	25,360	2%
4/13/07	655,340	518,890	1,174,230	1,148,160	26,070	2%
4/27/07	661,850	524,010	1,185,860	1,159,620	26,240	2%
5/10/07	676,420	538,710	1,215,130	1,188,360	26,770	2%
5/24/07	688,150	550,410	1,238,560	1,211,580	26,980	2%
6/8/07	703,840	561,680	1,265,520	1,238,110	27,410	2%
6/22/07	717,360	574,860	1,292,220	1,264,440	27,780	2%
7/5/07	730,880	588,040	1,318,920	1,290,780	28,140	2%
7/19/07	740,550	594,970	1,335,520	1,307,120	28,400	2%
8/1/07	748,250	601,150	1,349,400	1,320,800	28,600	2%
8/14/07	754,120	603,720	1,357,840	1,329,110	28,730	2%
8/30/07	770,130	619,450	1,389,580	1,360,430	29,150	2%
9/14/07	773,630	621,630	1,395,260	1,365,830	29,430	2%
10/2/07	788,550	632,220	1,420,770	1,391,420	29,350	2%
10/11/07	799,420	643,030	1,442,450	1,412,750	29,700	2%
10/24/07	814,140	659,200	1,473,340	1,443,180	30,160	2%
11/8/07	830,630	670,220	1,500,850	1,470,390	30,460	2%
11/21/07	839,270	676,620	1,515,890	1,484,950	30,940	2%
12/6/07	846,490	680,600	1,527,090	1,495,870	31,220	2%
12/20/07	851,460	681,950	1,533,410	1,502,010	31,400	2%
01/04/08	859,140	689,010	1,548,150	1,516,310	31,840	2%
01/17/08	890,450	710,250	1,600,700	1,567,520	33,180	2%
01/31/08	890,450	710,250	1,600,700	1,567,520	33,180	2%
02/14/08	891,720	710,510	1,602,230	1,568,990	33,240	2%
02/28/08	891,750	710,520	1,602,270	1,569,040	33,230	2%
03/13/08	891,910	710,590	1,602,500	1,569,960	32,540	2%
03/28/08	892,350	728,530	1,620,880	1,588,160	32,720	2%
04/03/08	892,800	746,480	1,639,280	1,606,360	32,920	2%
04/24/08	922,860	762,610	1,685,470	1,652,060	33,410	2%
05/15/08	965,650	762,610	1,728,260	1,694,230	34,030	2%
05/30/08	969,490	762,620	1,732,110	1,698,010	34,100	2%
06/12/08	993,480	784,230	1,777,710	1,743,070	34,640	2%
06/28/08	1,017,860	802,350	1,820,210	1,784,930	35,280	2%
07/11/08	1,039,900	818,950	1,858,850	1,823,160	35,690	2%
07/25/08	1,061,050	835,240	1,896,290	1,860,450	35,840	2%

Table 3
Flow Meter Summary (Gallons)
Wisconsin Chrome, Kaukauna, Wisconsin
Terracon Project No. 58127047

Date	Sump A Influent (gallons)	Sump B Influent (gallons)	Total Influent (gallons)	Total Effluent (gallons)	Total Influent Minus Effluent	Flow Meter Variation as a % of Effluent
08/07/08	1,074,850	844,480	1,919,330	1,883,350	35,980	2%
08/21/08	1,086,740	852,080	1,938,820	1,902,600	36,220	2%
09/03/08	1,093,870	856,250	1,950,120	1,913,770	36,350	2%
09/19/08	1,102,560	862,370	1,964,930	1,928,280	36,650	2%
10/03/08	1,106,560	864,600	1,971,160	1,934,560	36,600	2%
10/17/08	1,112,490	868,870	1,981,360	1,944,730	36,630	2%
10/31/08	1,116,290	872,170	1,988,460	1,951,690	36,770	2%
11/13/08	1,118,850	874,130	1,992,980	1,956,290	36,690	2%
11/26/08	1,119,800	874,460	1,994,260	1,957,570	36,690	2%
12/11/08	1,125,370	877,950	2,003,320	1,966,470	36,850	2%
12/23/08	1,130,730	882,480	2,013,210	1,976,270	36,940	2%
01/15/09	1,140,130	888,550	2,028,680	1,991,590	37,090	2%
01/30/09	1,144,500	889,790	2,034,290	1,997,130	37,160	2%
02/13/09	1,145,380	890,680	2,036,060	1,998,870	37,190	2%
02/26/09	1,147,290	890,690	2,037,980	2,000,750	37,230	2%
03/12/09	1,149,030	890,690	2,039,720	2,002,350	37,370	2%
03/26/09	1,170,820	894,400	2,065,220	2,027,540	37,680	2%
03/31/09	1,188,770	902,360	2,091,130	2,053,080	38,050	2%
04/22/09	1,206,538	933,867	2,140,405	2,053,080	87,325	4%
05/20/09	1,207,053	942,532	2,149,585	2,053,080	96,505	5%
06/23/09	1,207,694	966,229	2,173,923	2,053,080	120,843	6%
07/13/09	1,215,073	975,004	2,190,077	2,053,080	136,997	7%
08/05/09	1,215,245	986,020	2,201,265	2,053,080	148,185	7%
09/23/09	1,224,755	997,897	2,222,652	2,053,080	169,572	8%
10/08/09	1,225,018	1,000,507	2,225,525	2,053,080	172,445	8%
11/10/09	1,225,019	1,015,122	2,240,141	2,053,080	187,061	9%
12/14/09	1,225,017	1,043,159	2,268,176	2,224,886	43,290	2%
01/13/10	1,225,017	1,056,053	2,281,070	2,237,297	43,773	2%
02/10/10	1,225,094	1,063,325	2,288,419	2,244,318	44,101	2%
03/29/10	1,238,986	1,083,147	2,322,133	2,277,467	44,666	2%
04/15/10	1,243,631	1,104,865	2,348,496	2,303,719	44,777	2%
05/11/10	1,248,820	1,121,123	2,369,943	2,324,171	45,772	2%
06/15/10	1,257,996	1,143,758	2,401,754	2,353,762	47,992	2%
07/08/10	1,264,444	1,149,755	2,414,199	2,364,236	49,963	2%
09/23/10	1,277,524	1,170,368	2,447,892	2,394,689	53,203	2%
10/07/10	1,277,581	1,170,609	2,448,190	2,394,901	53,289	2%
11/03/10	1,280,350	1,176,418	2,456,768	2,401,838	54,930	2%
01/06/11	1,282,570	1,181,420	2,463,990	2,407,570	56,420	2%
02/17/11	1,287,938	1,187,089	2,475,027	2,415,746	59,281	2%
03/17/11	1,299,854	1,197,700	2,497,554	2,432,319	65,235	3%
04/14/11	1,307,876	1,210,345	2,518,221	2,448,084	70,137	3%
05/23/11	1,312,441	1,220,169	2,532,610	2,459,460	73,150	3%
06/23/11	1,321,270	1,249,311	2,570,581	2,494,520	76,061	3%
07/14/11	1,329,190	1,269,019	2,598,209	2,517,690	80,519	3%
08/18/11	1,338,162	1,289,763	2,627,925	2,541,941	85,984	3%
09/22/11	1,339,155	1,305,456	2,644,611	2,556,061	88,550	3%
10/06/11	1,339,155	1,309,381	2,648,536	2,559,407	89,129	3%
11/22/11	1,339,155	1,352,529	2,691,684	2,596,520	95,164	4%

Table 3
Flow Meter Summary (Gallons)
Wisconsin Chrome, Kaukauna, Wisconsin
Terracon Project No. 58127047

Date	Sump A Influent (gallons)	Sump B Influent (gallons)	Total Influent (gallons)	Total Effluent (gallons)	Total Influent Minus Effluent	Flow Meter Variation as a % of Effluent
12/12/11	1,339,155	1,373,614	2,712,769	2,614,900	97,869	4%
01/18/12	1,339,155	1,395,748	2,734,903	2,634,117	100,786	4%
02/29/12	1,339,306	1,407,427	2,746,733	2,644,225	102,508	4%
03/21/12	1,339,274	1,417,252	2,756,526	2,652,633	103,893	4%
04/04/12	1,346,910	1,420,396	2,767,306	2,660,594	106,712	4%
05/22/12	1,624,598	1,429,160	3,053,758	2,681,564	372,194	14%
06/07/12	1,731,756	1,431,720	3,163,476	2,692,190	471,286	18%
07/05/12	1,734,895	1,431,790	3,166,685	2,692,204	474,481	18%
08/02/12	1,736,045	1,431,812	3,167,857	2,692,708	475,149	18%
09/14/12	1,737,020	1,431,840	3,168,860	2,694,500	474,360	18%
10/04/12	1,750,000	1,433,840	3,183,840	2,696,670	487,170	18%
Flow meters were repaired and faces replaced on January 24, 2013						
01/26/13	4,445	144,177	--	75,841	-	-
01/28/13	-	-	-	406	-	-
01/29/13	1,200	0	1,200	1,096	105	10%
02/04/13	4,654	2,185	6,839	6,433	406	6%
02/07/13	5,859	2,909	8,768	8,238	530	6%
03/07/13	11,425	8,883	20,308	19,289	1,019	5%
03/20/13	18,049	12,372	30,421	28,987	1,434	5%
04/01/13	24,118	13,593	37,711	35,904	1,807	5%
04/11/13	30,746	14,533	45,279	43,110	2,169	5%
05/01/13	32,340	15,133	47,473	44,539	2,934	7%
06/06/13	32,755	38,873	71,628	68,039	3,589	5%
06/18/13	32,755	39,392	72,147	68,532	3,615	5%
06/18/13	32,755	44,875	77,630	73,695	3,935	5%
07/01/13	32,755	61,841	94,596	89,636	4,960	6%
07/18/13	32,755	81,503	114,258	108,142	6,116	6%
08/08/13	32,755	92,049	124,804	117,995	6,809	6%
09/10/13	32,755	94,341	127,096	120,265	6,831	6%
Sump A pump and Sump B discharge hose replaced on September 24, 2013						
09/26/13	35,250	95,333	130,583	123,379	7,204	6%
10/01/13	37,537	96,443	133,980	126,287	7,693	6%
10/18/13	44,925	96,443	141,368	137,269	4,099	3%
11/05/13	45,147	101,098	146,245	137,711	8,534	6%
11/06/13	47,912	101,174	149,086	140,407	8,679	6%
11/14/13	52,801	106,933	159,734	150,525	9,209	6%
12/02/13	74,214	107,600	181,814	171,172	10,642	6%
12/10/13	80,565	119,013	199,578	187,509	12,069	6%
12/20/13	84,155	120,273	204,428	191,809	12,619	7%
12/31/13	84,973	120,278	205,251	192,636	12,615	7%
01/15/14	84,973	120,278	205,251	192,636	12,615	7%
02/13/14	85,330	120,278	205,251	192,636	12,615	7%
03/13/14	85,706	121,293	206,999	194,458	12,541	6%
04/01/14	85,966	121,293	207,259	194,458	12,801	7%
04/12/14	90,237	121,293	211,530	198,400	13,130	7%
04/14/14	94,813	121,293	216,106	202,546	13,560	7%

Table 3
Flow Meter Summary (Gallons)
Wisconsin Chrome, Kaukauna, Wisconsin
Terracon Project No. 58127047

Date	Sump A Influent (gallons)	Sump B Influent (gallons)	Total Influent (gallons)	Total Effluent (gallons)	Total Influent Minus Effluent	Flow Meter Variation as a % of Effluent
04/22/14	106,935	121,293	228,228	215,879	12,349	6%
05/13/14	114,120	121,293	235,413	222,567	12,846	6%
06/04/14	119,554	129,122	248,676	232,114	16,562	7%
06/05/14	120,961	129,122	250,083	234,267	15,816	7%
06/12/14	129,616	134,329	263,945	245,815	18,130	7%
07/01/14	158,316	164,438	322,754	298,628	24,126	8%
07/02/14	158,701	164,556	323,257	298,959	24,298	8%
08/05/14	159,447	165,368	324,815	300,373	24,442	8%
08/06/14	159,447	165,392	324,839	300,373	24,466	8%
08/07/14	159,447	167,219	326,666	302,021	24,645	8%
08/13/14	165,583	168,830	334,413	308,936	25,477	8%
08/22/14	173,879	176,422	350,301	323,194	27,107	8%
09/05/14	185,636	183,779	369,415	340,357	29,058	9%
09/17/14	197,841	195,374	393,215	361,652	31,563	9%
09/24/14	203,735	200,534	404,269	371,586	32,683	9%
10/01/14	207,855	205,840	413,695	379,956	33,739	9%
10/16/14	221,123	217,531	438,654	402,237	36,417	9%
11/04/14	236,160	229,321	465,481	426,276	39,205	9%
11/13/14	240,712	234,643	475,355	435,167	40,188	9%
12/08/14	242,571	235,940	478,511	438,078	40,433	9%
12/09/14	243,981	237,347	481,328	440,815	40,513	9%
12/12/14	245,981	239,498	485,479	444,853	40,626	9%
12/31/14	269,423	256,529	525,952	484,590	41,362	9%
01/01/15	270,532	257,650	528,182	486,734	41,448	9%
01/12/15	277,196	262,276	539,472	497,841	41,631	8%
01/31/15	280,334	265,875	546,209	504,392	41,817	8%
02/04/15	280,356	266,652	547,008	505,221	41,787	8%
02/28/15	280,376	266,652	547,028	505,234	41,794	8%
03/01/15	280,376	266,652	547,028	505,234	41,794	8%
03/11/15	280,387	266,652	547,039	505,234	41,805	8%
03/18/15	280,391	266,652	547,043	505,234	41,809	8%
04/07/15	280,499.3	266,652	547,151	505,321	41,830	8%
04/13/15	287,154.3	266,652	553,806	511,876	41,930	8%
04/15/15	293,306.3	266,652	559,958	514,049	45,909	9%
04/22/15	295,729.3	270,842	566,571	524,487	42,084	8%
04/24/15	297,320.3	271,384	568,704	526,526	42,178	8%
04/29/15	300,088.3	271,823	571,911	529,679	42,232	8%
04/30/15	300,541.3	271,855	572,396	530,187	42,209	8%

Notes:

1. The influent and effluent flow meters were replaced by Foth on November 30, 2004.
2. Influent flow meters measure more flow than effluent flow meter when all three flow meters are operating continuously.
3. Consultant transition from Foth to SCS BT Squared in April 2009.
4. SCS BT Squared replaces Sump A flow meter May 20, 2009.
5. SCS BT Squared reported Sump A out of service from January 18, 2012 until March 22, 2012
5. Consultant transition from SCS BT Squared to Terracon in May 2012
6. System remained out of operation from October 2012 until January 27, 2013.

Table 3
Flow Meter Summary (Gallons)
Wisconsin Chrome, Kaukauna, Wisconsin
Terracon Project No. 58127047

Date	Sump A Influent (gallons)	Sump B Influent (gallons)	Total Influent (gallons)	Total Effluent (gallons)	Total Influent Minus Effluent	Flow Meter Variation as a % of Effluent

7. The three Badger flow meters were repaired and faces replaced on January 24, 2013. January 26, 2013 readings reflect the starting values on the repaired meters. Subsequent readings are the face value minus the January 26, 2013 starting values.
8. Sump A not operational from 6/18//13 through 9/24/2013
9. Sump A pump replaced with a Grundfos SQE5-90 (240 v) submersible pump on 9/24/13
10. Sump B pump discharge hose inside the manhole was replaced on 9/24/13
11. LMI Chemical pump for sodium hydroxide injection was replaced on 6/3/14
12. Transfer pump was replaced on 8/4/14 with a Goulds model 1SV8GC (1 hp)

Created by: N Heim, Terracon
Edited by: S Hodgson, Terracon 4/30/15

Table 4
November 1, 2014 through April 30, 2015
Chromium and VOC Mass Removal Summary
Wisconsin Chrome, Kaukauna, Wisconsin
Terracon Project #58127047

	Concentration		Volume (gal)	Mass (lbs)
	(µg/l)	(lb./gal)		
Sump A				
Total VOCs	1387.5	0.0000116	64,381	0.75
Total Chromium	104	0.0000009	64,381	0.06
Sump B				
Total Chromium	673.0	0.0000056	42,534	0.24

ABBREVIATIONS:

µg/l = micrograms per liter
lb./gal = pound per gallon
gal = gallon
VOCs - Volatile Organic Compounds
lbs = pounds

Notes:

Concentrations are calculated based on averages from sampling events during reporting period

Prepared by: C Ingram, Terracon
Checked by: S Hodgson, Terracon

N:\Projects\2012\58127047\Working Files\Tables\[TERRACON - Wis_Chrome_Tables_120621.xls]Table 4

APPENDIX C
LABORATORY ANALYTIC TEST REPORTS AND FIELD SAMPLING SHEETS

Groundwater Monitoring Field Forms – April 2015

Laboratory Analytical Reports

TERRACON — GROUND WATER SAMPLING INFORMATION SHEET

PROJECT NAME: WI CHROME	PROJECT NO. 58127042
PROJECT LOCATION: KAUKAUNA, WI	
SAMPLE POINT: MW-2	SAMPLE POINT DESCRIPTION: IN CONCRETE PAD IN BETWEEN MIDWEST CARRIERS AND TANN
CASING DIAMETER: 2"	
WELL DEPTH:	
DATE: 4/15/15	TIME 1600 AM/PM	DEPTH TO GROUND WATER (FT): 4.91
SAMPLING METHOD: BLADDER PUMP	FLOW RATE: 200 ML/MIN
SAMPLE TIME: 1640	TOTAL PURGED: 2 GALLONS

TIME	WATER LEVEL	TEMP.(°C)	pH	COND. (mS/cm)	ORP (mV)	DO (mg/L)
1605	4.91	8.40	5.32	5.58	128	10.10
1610	5.18	7.24	5.67	5.84	90	4.28
1615	5.22	7.03	5.72	5.78	94	3.46
1620	5.32	6.78	5.74	5.75	99	3.08
1625	5.38	6.95	5.74	5.71	103	2.84
1630	5.45	7.16	5.75	5.64	108	2.63
1635	5.49	7.14	5.78	5.60	108	2.56
1640	5.52	7.24	5.81	5.56	111	2.64

SAMPLE APPEARANCE: VERY TURBID TURBID SLIGHTLY TURBID CLEAR	ODOR: YES NO NOT NOTED	ANALYSES: TOTAL CHROME

CLEANING PERFORMED IN FIELD: *Alconox and Distilled Water AND Disposable gloves* (METHOD PERFORMED) (INITIAL TO VERIFY OR NOTE OTHER CLEANING) CWL

COMMENTS:

SAMPLED BY: CWL	DATE: 4/15/15
REVIEWED BY: Scott A. Hodgson	DATE: 4/22/15

TERRACON GROUND WATER SAMPLING INFORMATION SHEET

PROJECT NAME: WI CHROME	PROJECT NO. 58127047
PROJECT LOCATION: KAUKAUNA, WI	
SAMPLE POINT: MW-6R	SAMPLE POINT DESCRIPTION: IN LAWN AREA N/NE OF TANK
CASING DIAMETER: 2"	
WELL DEPTH:	
DATE: 4/16/15	TIME 0800 AM/PM
	DEPTH TO GROUND WATER (FT): 4.73
SAMPLING METHOD: BLADDER PUMP	FLOW RATE: 200 ml/min
SAMPLE TIME: 0845	TOTAL PURGED: 2.5 GALLONS

TIME	WATER LEVEL	TEMP.(°C)	pH	COND. (mS/cm)	ORP (mV)	DO (mg/L)
0810	4.73	6.97	5.57	3.21	154	28.70
0815	6.48	7.43	5.92	3.17	147	17.58
0820	6.92	7.23	6.07	3.12	142	12.60
0825	7.50	7.20	6.30	3.10	132	10.65
0830	7.56	7.19	6.40	3.10	128	9.84
0835	7.87	7.16	6.18	3.08	140	9.85
0840	7.83	7.10	6.32	3.13	134	9.68
0845	7.92	7.10	6.38	3.13	131	9.34

SAMPLE APPEARANCE: VERY TURBID TURBID SLIGHTLY TURBID CLEAR	ODOR: YES NO NOT NOTED	ANALYSES: VOC TOTAL CHROME

CLEANING PERFORMED IN FIELD: Alconox and Distilled Water AND Disposable gloves (METHOD PERFORMED) (*INITIAL TO VERIFY OR NOTE OTHER CLEANING)

CW1

COMMENTS:

SAMPLED BY: CW1	DATE: 4/16/15
REVIEWED BY: Scott A. Hodgson	DATE: 4/22/15

TERRACON — GROUND WATER SAMPLING INFORMATION SHEET

PROJECT NAME: WI CHROME	PROJECT NO. 58127047
PROJECT LOCATION: KAUKAUNA, WI	
SAMPLE POINT: MW-7R	SAMPLE POINT DESCRIPTION: ALONG NORTH END OF TANK BUILDING
CASING DIAMETER: 2"	
WELL DEPTH:	
DATE: 4/16/15	TIME 1135 AM/PM — DEPTH TO GROUND WATER (FT): 6.72
SAMPLING METHOD: BLADDER PUMP	FLOW RATE: 200 ML/MIN
SAMPLE TIME: 1215	TOTAL PURGED: 2 GAL.

TIME	WATER LEVEL	TEMP. (°C)	pH	COND. (mS/cm)	ORP (mV)	DO (mg/L)
1140	6.70	9.41	5.92	2.16	137	14.14
1145	7.83	8.51	6.27	1.66	133	12.14
1150	8.23	8.23	6.36	1.81	132	11.92
1155	8.89	7.87	6.49	2.10	130	11.41
1200	9.59	7.76	6.57	2.40	129	10.85
1205	10.07	7.82	6.58	2.40	130	10.55
1210	OBSTRUCTION	7.98	6.61	2.47	123	10.35
1215	"	8.15	6.63	2.52	125	9.62

SAMPLE APPEARANCE: VERY TURBID TURBID SLIGHTLY TURBID (CLEAR) — ODOR: YES NO (NOTED) — ANALYSES: TOTAL CHROME VOC

CLEANING PERFORMED IN FIELD: Alconox and Distilled Water AND Disposable gloves (METHOD PERFORMED) — (INITIAL TO VERIFY ON NOTE OTHER CLEANING) CWI

COMMENTS: GREENISH COLOR / HIT OBSTRUCTION ≈ 10.5' BG TEMP?

SAMPLED BY: CWI	DATE: 4/16/15
REVIEWED BY: Scott A. Hodgson	DATE: 4/22/15

TERRACON — GROUND WATER SAMPLING INFORMATION SHEET

PROJECT NAME: WI CHROME	PROJECT NO. 58117047
PROJECT LOCATION: KAUKAUNA, WI	
SAMPLE POINT: P-7A	SAMPLE POINT DESCRIPTION: IN 7 NEST (NW CORNER)
CASING DIAMETER: 2"	
WELL DEPTH:	
DATE: 4/16/15	TIME 1020 AM/PM
	DEPTH TO GROUND WATER (FT): 3.52
SAMPLING METHOD: BLADDER PUMP	FLOW RATE: 200 ML/MIN
SAMPLE TIME: 1100	TOTAL PURGED: 1.5 G

TIME	WATER LEVEL	TEMP.(°C)	pH	COND. (mS/cm)	ORP (mV)	DO (mg/L)
1035	3.52	14.21	6.31	1.82	84	17.70
1040	6.97	10.76	5.92	2.16	127	9.59
1045	8.29	10.95	6.22	1.85	114	9.19
1050	9.45	11.12	6.43	1.72	107	9.40
1055	11.53	11.11	6.63	1.65	100	9.51
1100	12.96	11.19	6.74	1.64	97	9.44

TOTAL CHROME

SAMPLE APPEARANCE: VERY TURBID TURBID SLIGHTLY TURBID (CLEAR)	ODOR: YES NO (NOT NOTED)	ANALYSES: VOC

CLEANING PERFORMED IN FIELD: Alconox and Distilled Water AND Disposable gloves (INITIAL TO VERIFY OR NOTE OTHER CLEANING METHOD PERFORMED) CWI

COMMENTS: DUP-1 (VOC) TAKEN

SAMPLED BY: CWI	DATE: 4/16/15
REVIEWED BY: Scott A. Hodgson	DATE: 4/22/15

TERRACON GROUND WATER SAMPLING INFORMATION SHEET

PROJECT NAME: WI CHROME	PROJECT NO. 58127057
PROJECT LOCATION: KAUKAUNA, WI	
SAMPLE POINT: P-7B	SAMPLE POINT DESCRIPTION: IN 7 NEST
CASING DIAMETER: 2"	
WELL DEPTH:	TOC ELEVATION:
DATE: 4/16/15	TIME: 1320 AM/PM
DEPTH TO GROUND WATER (FT): N/A	
CALCULATION: N/A	
SAMPLING METHOD: PERI PUMP	

DATE	TIME (AM/PM)	GALLONS REMOVED	COMMENTS
4/16/15	1320		START PURGE
↓	1406	≈ 4	END PURGE
↓	1400		SAMPLED

DISSOLVED OXYGEN:	FERROUS IRON:	NITRATE
—	—	—

pH:	ORP:	TEMP:	SPECIFIC CONDUCTANCE (uS/cm) x1000
—	—	—	—

SAMPLE APPEARANCE: VERY TURBID TURBID SLIGHTLY TURBID (CLEAR)

ODOR: YES NO (NOT NOTED)

ANALYSES: TOTAL CHROME / VOC

CLEANING PERFORMED IN FIELD: METHANOL AND DISPOSABLE GLOVES

COMMENTS:

BLADDER PUMP INOP, PURGED W/ BAILER INTO CLEAN CONTAINER AND PERI PUMPED TO SAMPLE (PER SAM)

SAMPLED BY: CWI	DATE: 4/16/15
REVIEWED BY: Scott A. Hodgson	DATE: 4/22/15

TERRACON — GROUND WATER SAMPLING INFORMATION SHEET

PROJECT NAME: WI CHROME			PROJECT NO. 58127047
PROJECT LOCATION: KAUKAUNA, WI			
SAMPLE POINT: MW-10	SAMPLE POINT DESCRIPTION: NEXT TO Sump B		
CASING DIAMETER: 2"			
WELL DEPTH:			
DATE: 4/15/15	TIME 1445	AM / PM	DEPTH TO GROUND WATER (FT): 2.32
SAMPLING METHOD: BLADDER PUMP			FLOW RATE: 200 mL/MIN
SAMPLE TIME: 1550			TOTAL PURGED: 2 GALLONS

TIME	WATER LEVEL	TEMP.(°C)	pH	COND. (mS/cm)	ORP (mV)	DO (mg/L)
1520	2.32	11.86	5.80	8.59	105	8.23
1525	3.34	9.47	5.83	8.92	108	5.73
1530	3.62	8.71	5.82	9.07	112	5.04
1535	3.79	8.45	5.82	9.11	114	4.82
1540	3.86	8.44	5.81	9.12	116	4.66
1545	3.93	8.23	5.81	9.08	118	4.53
1550	4.12	7.93	5.81	9.04	119	4.51

SAMPLE APPEARANCE: VERY TURBID TURBID SLIGHTLY TURBID (CLEAR)	ODOR: YES NO (NOT NOTED)	ANALYSES: TOTAL CHROME

CLEANING PERFORMED IN FIELD: Alconox and Distilled Water AND Disposable gloves * INITIAL TO VERIFY OR NOTE OTHER CLEANING METHOD PERFORMED: CWI

COMMENTS:

SAMPLED BY: CWI	DATE: 4/15/15
REVIEWED BY: Scott A. Hodgson	DATE: 4/22/15

TERRACON — GROUND WATER SAMPLING INFORMATION SHEET

PROJECT NAME: WI CHROME	PROJECT NO. 58127047
PROJECT LOCATION: KAUKAUNA, WI	
SAMPLE POINT: MW-12	SAMPLE POINT DESCRIPTION: WEST OF MIDWEST CARRIERS BUILDING
CASING DIAMETER: 2"	
WELL DEPTH:	
DATE: 4/16/15	TIME 0900 AM/PM — DEPTH TO GROUND WATER (FT): 0.83
SAMPLING METHOD: BLADDER PUMP	FLOW RATE: 200 ML/MIN
SAMPLE TIME: 1010	TOTAL PURGED: 5 GALLONS

TIME	WATER LEVEL	TEMP.(°C)	pH	COND. (mS/cm)	ORP (mV)	DO (mg/L)
0910	0.83	9.71	6.76	2.61	102	14.87
0915	1.65	5.73	6.02	6.17	~48	8.45
0920	1.70	5.44	6.01	6.17	-54	6.86
0925	1.77	5.41	6.01	6.15	-52	6.51
0930	1.76	5.29	6.04	6.13	-45	6.29
0935	1.83	5.36	6.00	6.06	-38	5.97
0940	1.85	5.38	5.95	6.05	-30	5.84
0945	1.86	5.42	6.01	6.03	-31	5.77
0950	1.80	5.47	6.02	6.01	-27	5.64
0955	1.83	5.46	6.01	6.01	-26	5.62
1000	1.82	5.47	6.02	6.01	-25	5.54
1005	1.86	5.50	6.04	6.02	-20	5.77
1010	1.82	6.03	6.02	6.02	-20	5.37

SAMPLE APPEARANCE: VERY TURBID / TURBID / SLIGHTLY TURBID / CLEAR (CLEAR)	ODOR: YES / NO / NOT NOTED (NOT NOTED)	ANALYSES: TOTAL CHROMIUM

CLEANING PERFORMED IN FIELD: Alconox and Distilled Water AND Disposable gloves (*INITIAL TO VERIFY OR NOTE OTHER CLEANING METHOD PERFORMED) CWI

COMMENTS:

AIRLINE CUT TO SAMPLE, FITTING CORRODED, NO SEAL

SAMPLED BY: CWI	DATE: 4/16/15
REVIEWED BY: Scott A. Hodgson	DATE: 4/22/15

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

May 01, 2015

Scott Hodgson
Terracon, Inc. - Franklin
9856 South 57th Street
Franklin, WI 53132

RE: Project: 58127047 WI CHROME
Pace Project No.: 40113402

Dear Scott Hodgson:
Enclosed are the analytical results for sample(s) received by the laboratory on April 18, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 58127047 WI CHROME
Pace Project No.: 40113402

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 58127047 WI CHROME
Pace Project No.: 40113402

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40113402001	**MW-2**	Water	04/15/15 16:40	04/18/15 09:10
40113402002	**MW-6R**	Water	04/16/15 08:45	04/18/15 09:10
40113402003	**MW-7R**	Water	04/16/15 12:15	04/18/15 09:10
40113402004	**P-7A**	Water	04/16/15 11:00	04/18/15 09:10
40113402005	**P-7B**	Water	04/16/15 12:00	04/18/15 09:10
40113402006	**MW-10**	Water	04/15/15 15:50	04/18/15 09:10
40113402007	**MW-12**	Water	04/16/15 10:10	04/18/15 09:10
40113402008	**DUP-1**	Water	04/16/15 00:00	04/18/15 09:10
40113402009	**TRIP BLANK**	Water	04/16/15 00:00	04/18/15 09:10

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(920)469-2436

SAMPLE ANALYTE COUNT

Project: 58127047 WI CHROME
Pace Project No.: 40113402

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40113402001	**MW-2**	EPA 6010	DLB	1	PASI-G
40113402002	**MW-6R**	EPA 6010	DLB	1	PASI-G
		EPA 8260	LAP	64	PASI-G
40113402003	**MW-7R**	EPA 6010	DLB	1	PASI-G
		EPA 8260	LAP	64	PASI-G
40113402004	**P-7A**	EPA 6010	DLB	1	PASI-G
		EPA 8260	LAP	64	PASI-G
40113402005	**P-7B**	EPA 6010	DLB	1	PASI-G
		EPA 8260	LAP	64	PASI-G
40113402006	**MW-10**	EPA 6010	DLB	1	PASI-G
40113402007	**MW-12**	EPA 6010	DLB	1	PASI-G
40113402008	**DUP-1**	EPA 8260	LAP	64	PASI-G
40113402009	**TRIP BLANK**	EPA 8260	LAP	64	PASI-G

Pace Analytical Services, Inc.
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(920)469-2436

SUMMARY OF DETECTION

Project: 58127047 WI CHROME
Pace Project No.: 40113402

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40113402001	**MW-2**					
EPA 6010	Chromium, Dissolved	1740	ug/L	5.0	04/29/15 13:36	
40113402002	**MW-6R**					
EPA 6010	Chromium, Dissolved	441	ug/L	5.0	04/29/15 13:39	
EPA 8260	1,1-Dichloroethane	14.2	ug/L	1.0	04/21/15 12:16	
EPA 8260	1,1-Dichloroethene	8.5	ug/L	1.0	04/21/15 12:16	
EPA 8260	1,1,1-Trichloroethane	57.6	ug/L	1.0	04/21/15 12:16	
EPA 8260	Trichloroethene	0.74J	ug/L	1.0	04/21/15 12:16	
40113402003	**MW-7R**					
EPA 6010	Chromium, Dissolved	6780	ug/L	5.0	04/29/15 13:43	
EPA 8260	Chloroethane	19.3	ug/L	10.0	04/21/15 14:09	
EPA 8260	1,1-Dichloroethane	234	ug/L	10.0	04/21/15 14:09	
EPA 8260	1,1-Dichloroethene	267	ug/L	10.0	04/21/15 14:09	
EPA 8260	1,1,1-Trichloroethane	1280	ug/L	10.0	04/21/15 14:09	
EPA 8260	1,1,2-Trichloroethane	2.7J	ug/L	10.0	04/21/15 14:09	
EPA 8260	Trichloroethene	10.0	ug/L	10.0	04/21/15 14:09	
40113402004	**P-7A**					
EPA 8260	1,1-Dichloroethane	412	ug/L	2.0	04/21/15 14:31	
EPA 8260	1,2-Dichloroethane	2.9	ug/L	2.0	04/21/15 14:31	
EPA 8260	1,1-Dichloroethene	82.2	ug/L	2.0	04/21/15 14:31	
EPA 8260	Methylene Chloride	0.96J	ug/L	2.0	04/21/15 14:31	
EPA 8260	1,1,1-Trichloroethane	11.8	ug/L	2.0	04/21/15 14:31	
EPA 8260	1,1,2-Trichloroethane	1.5J	ug/L	2.0	04/21/15 14:31	
40113402005	**P-7B**					
EPA 6010	Chromium, Dissolved	43.2	ug/L	5.0	04/30/15 11:33	
EPA 8260	1,1-Dichloroethane	9080	ug/L	200	04/21/15 13:24	
EPA 8260	1,1-Dichloroethene	736	ug/L	200	04/21/15 13:24	
EPA 8260	1,1,1-Trichloroethane	18800	ug/L	200	04/21/15 13:24	
40113402006	**MW-10**					
EPA 6010	Chromium, Dissolved	62.6	ug/L	5.0	04/29/15 13:55	
40113402007	**MW-12**					
EPA 6010	Chromium, Dissolved	2.2J	ug/L	5.0	04/29/15 14:02	
40113402008	**DUP-1**					
EPA 8260	1,1-Dichloroethane	377	ug/L	2.5	04/21/15 14:53	
EPA 8260	1,2-Dichloroethane	2.8	ug/L	2.5	04/21/15 14:53	
EPA 8260	1,1-Dichloroethene	71.1	ug/L	2.5	04/21/15 14:53	
EPA 8260	Methylene Chloride	2.8	ug/L	2.5	04/21/15 14:53	
EPA 8260	1,1,1-Trichloroethane	10.6	ug/L	2.5	04/21/15 14:53	
EPA 8260	1,1,2-Trichloroethane	1.6J	ug/L	2.5	04/21/15 14:53	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

PROJECT NARRATIVE

Project: 58127047 WI CHROME
Pace Project No.: 40113402

Method: **EPA 6010**
Description: 6010 MET ICP, Dissolved
Client: Terracon, Inc. - Franklin
Date: May 01, 2015

General Information:
1 sample was analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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PROJECT NARRATIVE

Project: 58127047 WI CHROME
Pace Project No.: 40113402

Method: **EPA 6010**
Description: 6010 MET ICP, Dissolved
Client: Terracon, Inc. - Franklin
Date: May 01, 2015

General Information:
6 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

PROJECT NARRATIVE

Project: 58127047 WI CHROME
Pace Project No.: 40113402

Method: **EPA 8260**
Description: 8260 MSV
Client: Terracon, Inc. - Franklin
Date: May 01, 2015

General Information:
6 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58127047 WI CHROME
Pace Project No.: 40113402

Sample: MW-2 **Lab ID: 40113402001** Collected: 04/15/15 16:40 Received: 04/18/15 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Chromium, Dissolved	**1740**	ug/L	5.0	2.1	1		04/29/15 13:36	7440-47-3	

Sample: MW-6R **Lab ID: 40113402002** Collected: 04/16/15 08:45 Received: 04/18/15 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Chromium, Dissolved	**441**	ug/L	5.0	2.1	1		04/29/15 13:39	7440-47-3	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		04/21/15 12:16	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		04/21/15 12:16	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		04/21/15 12:16	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		04/21/15 12:16	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		04/21/15 12:16	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		04/21/15 12:16	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/21/15 12:16	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		04/21/15 12:16	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		04/21/15 12:16	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		04/21/15 12:16	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/21/15 12:16	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		04/21/15 12:16	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		04/21/15 12:16	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		04/21/15 12:16	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		04/21/15 12:16	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		04/21/15 12:16	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		04/21/15 12:16	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		04/21/15 12:16	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		04/21/15 12:16	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		04/21/15 12:16	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/21/15 12:16	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/21/15 12:16	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/21/15 12:16	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		04/21/15 12:16	75-71-8	
1,1-Dichloroethane	**14.2**	ug/L	1.0	0.24	1		04/21/15 12:16	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		04/21/15 12:16	107-06-2	
1,1-Dichloroethene	**8.5**	ug/L	1.0	0.41	1		04/21/15 12:16	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/21/15 12:16	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/21/15 12:16	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		04/21/15 12:16	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/21/15 12:16	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		04/21/15 12:16	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		04/21/15 12:16	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		04/21/15 12:16	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58127047 WI CHROME
Pace Project No.: 40113402

Sample: MW-6R **Lab ID: 40113402002** Collected: 04/16/15 08:45 Received: 04/18/15 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		04/21/15 12:16	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		04/21/15 12:16	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/21/15 12:16	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		04/21/15 12:16	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		04/21/15 12:16	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		04/21/15 12:16	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		04/21/15 12:16	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		04/21/15 12:16	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		04/21/15 12:16	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/21/15 12:16	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		04/21/15 12:16	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		04/21/15 12:16	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		04/21/15 12:16	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		04/21/15 12:16	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		04/21/15 12:16	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		04/21/15 12:16	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		04/21/15 12:16	120-82-1	
1,1,1-Trichloroethane	**57.6**	ug/L	1.0	0.50	1		04/21/15 12:16	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		04/21/15 12:16	79-00-5	
Trichloroethene	**0.74J**	ug/L	1.0	0.33	1		04/21/15 12:16	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		04/21/15 12:16	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/21/15 12:16	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/21/15 12:16	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/21/15 12:16	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/21/15 12:16	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		04/21/15 12:16	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		04/21/15 12:16	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/21/15 12:16	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		04/21/15 12:16	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		04/21/15 12:16	2037-26-5	

Sample: MW-7R **Lab ID: 40113402003** Collected: 04/16/15 12:15 Received: 04/18/15 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Chromium, Dissolved	**6780**	ug/L	5.0	2.1	1		04/29/15 13:43	7440-47-3	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<5.0**	ug/L	10.0	5.0	10		04/21/15 14:09	71-43-2	
Bromobenzene	**<2.3**	ug/L	10.0	2.3	10		04/21/15 14:09	108-86-1	
Bromochloromethane	**<3.4**	ug/L	10.0	3.4	10		04/21/15 14:09	74-97-5	
Bromodichloromethane	**<5.0**	ug/L	10.0	5.0	10		04/21/15 14:09	75-27-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58127047 WI CHROME
Pace Project No.: 40113402

Sample: MW-7R **Lab ID: 40113402003** Collected: 04/16/15 12:15 Received: 04/18/15 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Bromoform	**<5.0**	ug/L	10.0	5.0	10		04/21/15 14:09	75-25-2	
Bromomethane	**<24.3**	ug/L	50.0	24.3	10		04/21/15 14:09	74-83-9	
n-Butylbenzene	**<5.0**	ug/L	10.0	5.0	10		04/21/15 14:09	104-51-8	
sec-Butylbenzene	**<21.9**	ug/L	50.0	21.9	10		04/21/15 14:09	135-98-8	
tert-Butylbenzene	**<1.8**	ug/L	10.0	1.8	10		04/21/15 14:09	98-06-6	
Carbon tetrachloride	**<5.0**	ug/L	10.0	5.0	10		04/21/15 14:09	56-23-5	
Chlorobenzene	**<5.0**	ug/L	10.0	5.0	10		04/21/15 14:09	108-90-7	
Chloroethane	**19.3**	ug/L	10.0	3.7	10		04/21/15 14:09	75-00-3	
Chloroform	**<25.0**	ug/L	50.0	25.0	10		04/21/15 14:09	67-66-3	
Chloromethane	**<5.0**	ug/L	10.0	5.0	10		04/21/15 14:09	74-87-3	
2-Chlorotoluene	**<5.0**	ug/L	10.0	5.0	10		04/21/15 14:09	95-49-8	
4-Chlorotoluene	**<2.1**	ug/L	10.0	2.1	10		04/21/15 14:09	106-43-4	
1,2-Dibromo-3-chloropropane	**<21.6**	ug/L	50.0	21.6	10		04/21/15 14:09	96-12-8	
Dibromochloromethane	**<5.0**	ug/L	10.0	5.0	10		04/21/15 14:09	124-48-1	
1,2-Dibromoethane (EDB)	**<1.8**	ug/L	10.0	1.8	10		04/21/15 14:09	106-93-4	
Dibromomethane	**<4.3**	ug/L	10.0	4.3	10		04/21/15 14:09	74-95-3	
1,2-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		04/21/15 14:09	95-50-1	
1,3-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		04/21/15 14:09	541-73-1	
1,4-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		04/21/15 14:09	106-46-7	
Dichlorodifluoromethane	**<2.2**	ug/L	10.0	2.2	10		04/21/15 14:09	75-71-8	
1,1-Dichloroethane	**234**	ug/L	10.0	2.4	10		04/21/15 14:09	75-34-3	
1,2-Dichloroethane	**<1.7**	ug/L	10.0	1.7	10		04/21/15 14:09	107-06-2	
1,1-Dichloroethene	**267**	ug/L	10.0	4.1	10		04/21/15 14:09	75-35-4	
cis-1,2-Dichloroethene	**<2.6**	ug/L	10.0	2.6	10		04/21/15 14:09	156-59-2	
trans-1,2-Dichloroethene	**<2.6**	ug/L	10.0	2.6	10		04/21/15 14:09	156-60-5	
1,2-Dichloropropane	**<2.3**	ug/L	10.0	2.3	10		04/21/15 14:09	78-87-5	
1,3-Dichloropropane	**<5.0**	ug/L	10.0	5.0	10		04/21/15 14:09	142-28-9	
2,2-Dichloropropane	**<4.8**	ug/L	10.0	4.8	10		04/21/15 14:09	594-20-7	
1,1-Dichloropropene	**<4.4**	ug/L	10.0	4.4	10		04/21/15 14:09	563-58-6	
cis-1,3-Dichloropropene	**<5.0**	ug/L	10.0	5.0	10		04/21/15 14:09	10061-01-5	
trans-1,3-Dichloropropene	**<2.3**	ug/L	10.0	2.3	10		04/21/15 14:09	10061-02-6	
Diisopropyl ether	**<5.0**	ug/L	10.0	5.0	10		04/21/15 14:09	108-20-3	
Ethylbenzene	**<5.0**	ug/L	10.0	5.0	10		04/21/15 14:09	100-41-4	
Hexachloro-1,3-butadiene	**<21.1**	ug/L	50.0	21.1	10		04/21/15 14:09	87-68-3	
Isopropylbenzene (Cumene)	**<1.4**	ug/L	10.0	1.4	10		04/21/15 14:09	98-82-8	
p-Isopropyltoluene	**<5.0**	ug/L	10.0	5.0	10		04/21/15 14:09	99-87-6	
Methylene Chloride	**<2.3**	ug/L	10.0	2.3	10		04/21/15 14:09	75-09-2	
Methyl-tert-butyl ether	**<1.7**	ug/L	10.0	1.7	10		04/21/15 14:09	1634-04-4	
Naphthalene	**<25.0**	ug/L	50.0	25.0	10		04/21/15 14:09	91-20-3	
n-Propylbenzene	**<5.0**	ug/L	10.0	5.0	10		04/21/15 14:09	103-65-1	
Styrene	**<5.0**	ug/L	10.0	5.0	10		04/21/15 14:09	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.8**	ug/L	10.0	1.8	10		04/21/15 14:09	630-20-6	
1,1,2,2-Tetrachloroethane	**<2.5**	ug/L	10.0	2.5	10		04/21/15 14:09	79-34-5	
Tetrachloroethene	**<5.0**	ug/L	10.0	5.0	10		04/21/15 14:09	127-18-4	
Toluene	**<5.0**	ug/L	10.0	5.0	10		04/21/15 14:09	108-88-3	
1,2,3-Trichlorobenzene	**<21.3**	ug/L	50.0	21.3	10		04/21/15 14:09	87-61-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(920)469-2436

ANALYTICAL RESULTS

Project: 58127047 WI CHROME
Pace Project No.: 40113402

Sample: MW-7R **Lab ID: 40113402003** Collected: 04/16/15 12:15 Received: 04/18/15 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2,4-Trichlorobenzene	**<22.1**	ug/L	50.0	22.1	10		04/21/15 14:09	120-82-1	
1,1,1-Trichloroethane	**1280**	ug/L	10.0	5.0	10		04/21/15 14:09	71-55-6	
1,1,2-Trichloroethane	**2.7J**	ug/L	10.0	2.0	10		04/21/15 14:09	79-00-5	
Trichloroethene	**10.0**	ug/L	10.0	3.3	10		04/21/15 14:09	79-01-6	
Trichlorofluoromethane	**<1.8**	ug/L	10.0	1.8	10		04/21/15 14:09	75-69-4	
1,2,3-Trichloropropane	**<5.0**	ug/L	10.0	5.0	10		04/21/15 14:09	96-18-4	
1,2,4-Trimethylbenzene	**<5.0**	ug/L	10.0	5.0	10		04/21/15 14:09	95-63-6	
1,3,5-Trimethylbenzene	**<5.0**	ug/L	10.0	5.0	10		04/21/15 14:09	108-67-8	
Vinyl chloride	**<1.8**	ug/L	10.0	1.8	10		04/21/15 14:09	75-01-4	
m&p-Xylene	**<10.0**	ug/L	20.0	10.0	10		04/21/15 14:09	179601-23-1	
o-Xylene	**<5.0**	ug/L	10.0	5.0	10		04/21/15 14:09	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		10		04/21/15 14:09	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		10		04/21/15 14:09	1868-53-7	
Toluene-d8 (S)	103	%	70-130		10		04/21/15 14:09	2037-26-5	

Sample: P-7A **Lab ID: 40113402004** Collected: 04/16/15 11:00 Received: 04/18/15 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Chromium, Dissolved	**<2.1**	ug/L	5.0	2.1	1		04/29/15 13:53	7440-47-3	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<1.0**	ug/L	2.0	1.0	2		04/21/15 14:31	71-43-2	
Bromobenzene	**<0.46**	ug/L	2.0	0.46	2		04/21/15 14:31	108-86-1	
Bromochloromethane	**<0.68**	ug/L	2.0	0.68	2		04/21/15 14:31	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	2.0	1.0	2		04/21/15 14:31	75-27-4	
Bromoform	**<1.0**	ug/L	2.0	1.0	2		04/21/15 14:31	75-25-2	
Bromomethane	**<4.9**	ug/L	10.0	4.9	2		04/21/15 14:31	74-83-9	
n-Butylbenzene	**<1.0**	ug/L	2.0	1.0	2		04/21/15 14:31	104-51-8	
sec-Butylbenzene	**<4.4**	ug/L	10.0	4.4	2		04/21/15 14:31	135-98-8	
tert-Butylbenzene	**<0.36**	ug/L	2.0	0.36	2		04/21/15 14:31	98-06-6	
Carbon tetrachloride	**<1.0**	ug/L	2.0	1.0	2		04/21/15 14:31	56-23-5	
Chlorobenzene	**<1.0**	ug/L	2.0	1.0	2		04/21/15 14:31	108-90-7	
Chloroethane	**<0.75**	ug/L	2.0	0.75	2		04/21/15 14:31	75-00-3	
Chloroform	**<5.0**	ug/L	10.0	5.0	2		04/21/15 14:31	67-66-3	
Chloromethane	**<1.0**	ug/L	2.0	1.0	2		04/21/15 14:31	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	2.0	1.0	2		04/21/15 14:31	95-49-8	
4-Chlorotoluene	**<0.43**	ug/L	2.0	0.43	2		04/21/15 14:31	106-43-4	
1,2-Dibromo-3-chloropropane	**<4.3**	ug/L	10.0	4.3	2		04/21/15 14:31	96-12-8	
Dibromochloromethane	**<1.0**	ug/L	2.0	1.0	2		04/21/15 14:31	124-48-1	
1,2-Dibromoethane (EDB)	**<0.36**	ug/L	2.0	0.36	2		04/21/15 14:31	106-93-4	
Dibromomethane	**<0.85**	ug/L	2.0	0.85	2		04/21/15 14:31	74-95-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58127047 WI CHROME
Pace Project No.: 40113402

Sample: P-7A **Lab ID: 40113402004** Collected: 04/16/15 11:00 Received: 04/18/15 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2-Dichlorobenzene	**<1.0**	ug/L	2.0	1.0	2		04/21/15 14:31	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	2.0	1.0	2		04/21/15 14:31	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	2.0	1.0	2		04/21/15 14:31	106-46-7	
Dichlorodifluoromethane	**<0.45**	ug/L	2.0	0.45	2		04/21/15 14:31	75-71-8	
1,1-Dichloroethane	**412**	ug/L	2.0	0.48	2		04/21/15 14:31	75-34-3	
1,2-Dichloroethane	**2.9**	ug/L	2.0	0.34	2		04/21/15 14:31	107-06-2	
1,1-Dichloroethene	**82.2**	ug/L	2.0	0.82	2		04/21/15 14:31	75-35-4	
cis-1,2-Dichloroethene	**<0.51**	ug/L	2.0	0.51	2		04/21/15 14:31	156-59-2	
trans-1,2-Dichloroethene	**<0.51**	ug/L	2.0	0.51	2		04/21/15 14:31	156-60-5	
1,2-Dichloropropane	**<0.47**	ug/L	2.0	0.47	2		04/21/15 14:31	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	2.0	1.0	2		04/21/15 14:31	142-28-9	
2,2-Dichloropropane	**<0.97**	ug/L	2.0	0.97	2		04/21/15 14:31	594-20-7	
1,1-Dichloropropene	**<0.88**	ug/L	2.0	0.88	2		04/21/15 14:31	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	2.0	1.0	2		04/21/15 14:31	10061-01-5	
trans-1,3-Dichloropropene	**<0.46**	ug/L	2.0	0.46	2		04/21/15 14:31	10061-02-6	
Diisopropyl ether	**<1.0**	ug/L	2.0	1.0	2		04/21/15 14:31	108-20-3	
Ethylbenzene	**<1.0**	ug/L	2.0	1.0	2		04/21/15 14:31	100-41-4	
Hexachloro-1,3-butadiene	**<4.2**	ug/L	10.0	4.2	2		04/21/15 14:31	87-68-3	
Isopropylbenzene (Cumene)	**<0.29**	ug/L	2.0	0.29	2		04/21/15 14:31	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	2.0	1.0	2		04/21/15 14:31	99-87-6	
Methylene Chloride	**0.96J**	ug/L	2.0	0.47	2		04/21/15 14:31	75-09-2	
Methyl-tert-butyl ether	**<0.35**	ug/L	2.0	0.35	2		04/21/15 14:31	1634-04-4	
Naphthalene	**<5.0**	ug/L	10.0	5.0	2		04/21/15 14:31	91-20-3	
n-Propylbenzene	**<1.0**	ug/L	2.0	1.0	2		04/21/15 14:31	103-65-1	
Styrene	**<1.0**	ug/L	2.0	1.0	2		04/21/15 14:31	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.36**	ug/L	2.0	0.36	2		04/21/15 14:31	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.50**	ug/L	2.0	0.50	2		04/21/15 14:31	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	2.0	1.0	2		04/21/15 14:31	127-18-4	
Toluene	**<1.0**	ug/L	2.0	1.0	2		04/21/15 14:31	108-88-3	
1,2,3-Trichlorobenzene	**<4.3**	ug/L	10.0	4.3	2		04/21/15 14:31	87-61-6	
1,2,4-Trichlorobenzene	**<4.4**	ug/L	10.0	4.4	2		04/21/15 14:31	120-82-1	
1,1,1-Trichloroethane	**11.8**	ug/L	2.0	1.0	2		04/21/15 14:31	71-55-6	
1,1,2-Trichloroethane	**1.5J**	ug/L	2.0	0.39	2		04/21/15 14:31	79-00-5	
Trichloroethene	**<0.66**	ug/L	2.0	0.66	2		04/21/15 14:31	79-01-6	
Trichlorofluoromethane	**<0.37**	ug/L	2.0	0.37	2		04/21/15 14:31	75-69-4	
1,2,3-Trichloropropane	**<1.0**	ug/L	2.0	1.0	2		04/21/15 14:31	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	2.0	1.0	2		04/21/15 14:31	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	2.0	1.0	2		04/21/15 14:31	108-67-8	
Vinyl chloride	**<0.35**	ug/L	2.0	0.35	2		04/21/15 14:31	75-01-4	
m&p-Xylene	**<2.0**	ug/L	4.0	2.0	2		04/21/15 14:31	179601-23-1	
o-Xylene	**<1.0**	ug/L	2.0	1.0	2		04/21/15 14:31	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		2		04/21/15 14:31	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		2		04/21/15 14:31	1868-53-7	
Toluene-d8 (S)	101	%	70-130		2		04/21/15 14:31	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58127047 WI CHROME
Pace Project No.: 40113402

Sample: P-7B **Lab ID: 40113402005** Collected: 04/16/15 12:00 Received: 04/18/15 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Chromium, Dissolved	**43.2**	ug/L	5.0	1.5	1	04/29/15 10:07	04/30/15 11:33	7440-47-3	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<100**	ug/L	200	100	200		04/21/15 13:24	71-43-2	
Bromobenzene	**<46.0**	ug/L	200	46.0	200		04/21/15 13:24	108-86-1	
Bromochloromethane	**<68.1**	ug/L	200	68.1	200		04/21/15 13:24	74-97-5	
Bromodichloromethane	**<100**	ug/L	200	100	200		04/21/15 13:24	75-27-4	
Bromoform	**<100**	ug/L	200	100	200		04/21/15 13:24	75-25-2	
Bromomethane	**<487**	ug/L	1000	487	200		04/21/15 13:24	74-83-9	
n-Butylbenzene	**<100**	ug/L	200	100	200		04/21/15 13:24	104-51-8	
sec-Butylbenzene	**<437**	ug/L	1000	437	200		04/21/15 13:24	135-98-8	
tert-Butylbenzene	**<36.1**	ug/L	200	36.1	200		04/21/15 13:24	98-06-6	
Carbon tetrachloride	**<100**	ug/L	200	100	200		04/21/15 13:24	56-23-5	
Chlorobenzene	**<100**	ug/L	200	100	200		04/21/15 13:24	108-90-7	
Chloroethane	**<74.9**	ug/L	200	74.9	200		04/21/15 13:24	75-00-3	
Chloroform	**<500**	ug/L	1000	500	200		04/21/15 13:24	67-66-3	
Chloromethane	**<100**	ug/L	200	100	200		04/21/15 13:24	74-87-3	
2-Chlorotoluene	**<100**	ug/L	200	100	200		04/21/15 13:24	95-49-8	
4-Chlorotoluene	**<42.7**	ug/L	200	42.7	200		04/21/15 13:24	106-43-4	
1,2-Dibromo-3-chloropropane	**<433**	ug/L	1000	433	200		04/21/15 13:24	96-12-8	
Dibromochloromethane	**<100**	ug/L	200	100	200		04/21/15 13:24	124-48-1	
1,2-Dibromoethane (EDB)	**<35.6**	ug/L	200	35.6	200		04/21/15 13:24	106-93-4	
Dibromomethane	**<85.3**	ug/L	200	85.3	200		04/21/15 13:24	74-95-3	
1,2-Dichlorobenzene	**<100**	ug/L	200	100	200		04/21/15 13:24	95-50-1	
1,3-Dichlorobenzene	**<100**	ug/L	200	100	200		04/21/15 13:24	541-73-1	
1,4-Dichlorobenzene	**<100**	ug/L	200	100	200		04/21/15 13:24	106-46-7	
Dichlorodifluoromethane	**<44.8**	ug/L	200	44.8	200		04/21/15 13:24	75-71-8	
1,1-Dichloroethane	**9080**	ug/L	200	48.3	200		04/21/15 13:24	75-34-3	
1,2-Dichloroethane	**<33.6**	ug/L	200	33.6	200		04/21/15 13:24	107-06-2	
1,1-Dichloroethene	**736**	ug/L	200	82.0	200		04/21/15 13:24	75-35-4	
cis-1,2-Dichloroethene	**<51.2**	ug/L	200	51.2	200		04/21/15 13:24	156-59-2	
trans-1,2-Dichloroethene	**<51.3**	ug/L	200	51.3	200		04/21/15 13:24	156-60-5	
1,2-Dichloropropane	**<46.6**	ug/L	200	46.6	200		04/21/15 13:24	78-87-5	
1,3-Dichloropropane	**<100**	ug/L	200	100	200		04/21/15 13:24	142-28-9	
2,2-Dichloropropane	**<96.8**	ug/L	200	96.8	200		04/21/15 13:24	594-20-7	
1,1-Dichloropropene	**<88.2**	ug/L	200	88.2	200		04/21/15 13:24	563-58-6	
cis-1,3-Dichloropropene	**<100**	ug/L	200	100	200		04/21/15 13:24	10061-01-5	
trans-1,3-Dichloropropene	**<45.9**	ug/L	200	45.9	200		04/21/15 13:24	10061-02-6	
Diisopropyl ether	**<100**	ug/L	200	100	200		04/21/15 13:24	108-20-3	
Ethylbenzene	**<100**	ug/L	200	100	200		04/21/15 13:24	100-41-4	
Hexachloro-1,3-butadiene	**<421**	ug/L	1000	421	200		04/21/15 13:24	87-68-3	
Isopropylbenzene (Cumene)	**<28.7**	ug/L	200	28.7	200		04/21/15 13:24	98-82-8	
p-Isopropyltoluene	**<100**	ug/L	200	100	200		04/21/15 13:24	99-87-6	
Methylene Chloride	**<46.5**	ug/L	200	46.5	200		04/21/15 13:24	75-09-2	
Methyl-tert-butyl ether	**<34.8**	ug/L	200	34.8	200		04/21/15 13:24	1634-04-4	
Naphthalene	**<500**	ug/L	1000	500	200		04/21/15 13:24	91-20-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58127047 WI CHROME
Pace Project No.: 40113402

Sample: P-7B **Lab ID: 40113402005** Collected: 04/16/15 12:00 Received: 04/18/15 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
n-Propylbenzene	**<100**	ug/L	200	100	200		04/21/15 13:24	103-65-1	
Styrene	**<100**	ug/L	200	100	200		04/21/15 13:24	100-42-5	
1,1,1,2-Tetrachloroethane	**<36.1**	ug/L	200	36.1	200		04/21/15 13:24	630-20-6	
1,1,2,2-Tetrachloroethane	**<49.9**	ug/L	200	49.9	200		04/21/15 13:24	79-34-5	
Tetrachloroethene	**<100**	ug/L	200	100	200		04/21/15 13:24	127-18-4	
Toluene	**<100**	ug/L	200	100	200		04/21/15 13:24	108-88-3	
1,2,3-Trichlorobenzene	**<427**	ug/L	1000	427	200		04/21/15 13:24	87-61-6	
1,2,4-Trichlorobenzene	**<442**	ug/L	1000	442	200		04/21/15 13:24	120-82-1	
1,1,1-Trichloroethane	**18800**	ug/L	200	100	200		04/21/15 13:24	71-55-6	
1,1,2-Trichloroethane	**<39.5**	ug/L	200	39.5	200		04/21/15 13:24	79-00-5	
Trichloroethene	**<66.1**	ug/L	200	66.1	200		04/21/15 13:24	79-01-6	
Trichlorofluoromethane	**<37.0**	ug/L	200	37.0	200		04/21/15 13:24	75-69-4	
1,2,3-Trichloropropane	**<100**	ug/L	200	100	200		04/21/15 13:24	96-18-4	
1,2,4-Trimethylbenzene	**<100**	ug/L	200	100	200		04/21/15 13:24	95-63-6	
1,3,5-Trimethylbenzene	**<100**	ug/L	200	100	200		04/21/15 13:24	108-67-8	
Vinyl chloride	**<35.1**	ug/L	200	35.1	200		04/21/15 13:24	75-01-4	
m&p-Xylene	**<200**	ug/L	400	200	200		04/21/15 13:24	179601-23-1	
o-Xylene	**<100**	ug/L	200	100	200		04/21/15 13:24	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		200		04/21/15 13:24	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		200		04/21/15 13:24	1868-53-7	
Toluene-d8 (S)	102	%	70-130		200		04/21/15 13:24	2037-26-5	

Sample: MW-10 **Lab ID: 40113402006** Collected: 04/15/15 15:50 Received: 04/18/15 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Chromium, Dissolved	**62.6**	ug/L	5.0	2.1	1		04/29/15 13:55	7440-47-3	

Sample: MW-12 **Lab ID: 40113402007** Collected: 04/16/15 10:10 Received: 04/18/15 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Chromium, Dissolved	**2.2J**	ug/L	5.0	2.1	1		04/29/15 14:02	7440-47-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58127047 WI CHROME
Pace Project No.: 40113402

Sample: DUP-1 **Lab ID: 40113402008** Collected: 04/16/15 00:00 Received: 04/18/15 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<1.2**	ug/L	2.5	1.2	2.5		04/21/15 14:53	71-43-2	
Bromobenzene	**<0.58**	ug/L	2.5	0.58	2.5		04/21/15 14:53	108-86-1	
Bromochloromethane	**<0.85**	ug/L	2.5	0.85	2.5		04/21/15 14:53	74-97-5	
Bromodichloromethane	**<1.2**	ug/L	2.5	1.2	2.5		04/21/15 14:53	75-27-4	
Bromoform	**<1.2**	ug/L	2.5	1.2	2.5		04/21/15 14:53	75-25-2	
Bromomethane	**<6.1**	ug/L	12.5	6.1	2.5		04/21/15 14:53	74-83-9	
n-Butylbenzene	**<1.2**	ug/L	2.5	1.2	2.5		04/21/15 14:53	104-51-8	
sec-Butylbenzene	**<5.5**	ug/L	12.5	5.5	2.5		04/21/15 14:53	135-98-8	
tert-Butylbenzene	**<0.45**	ug/L	2.5	0.45	2.5		04/21/15 14:53	98-06-6	
Carbon tetrachloride	**<1.2**	ug/L	2.5	1.2	2.5		04/21/15 14:53	56-23-5	
Chlorobenzene	**<1.2**	ug/L	2.5	1.2	2.5		04/21/15 14:53	108-90-7	
Chloroethane	**<0.94**	ug/L	2.5	0.94	2.5		04/21/15 14:53	75-00-3	
Chloroform	**<6.2**	ug/L	12.5	6.2	2.5		04/21/15 14:53	67-66-3	
Chloromethane	**<1.2**	ug/L	2.5	1.2	2.5		04/21/15 14:53	74-87-3	
2-Chlorotoluene	**<1.2**	ug/L	2.5	1.2	2.5		04/21/15 14:53	95-49-8	
4-Chlorotoluene	**<0.53**	ug/L	2.5	0.53	2.5		04/21/15 14:53	106-43-4	
1,2-Dibromo-3-chloropropane	**<5.4**	ug/L	12.5	5.4	2.5		04/21/15 14:53	96-12-8	
Dibromochloromethane	**<1.2**	ug/L	2.5	1.2	2.5		04/21/15 14:53	124-48-1	
1,2-Dibromoethane (EDB)	**<0.44**	ug/L	2.5	0.44	2.5		04/21/15 14:53	106-93-4	
Dibromomethane	**<1.1**	ug/L	2.5	1.1	2.5		04/21/15 14:53	74-95-3	
1,2-Dichlorobenzene	**<1.2**	ug/L	2.5	1.2	2.5		04/21/15 14:53	95-50-1	
1,3-Dichlorobenzene	**<1.2**	ug/L	2.5	1.2	2.5		04/21/15 14:53	541-73-1	
1,4-Dichlorobenzene	**<1.2**	ug/L	2.5	1.2	2.5		04/21/15 14:53	106-46-7	
Dichlorodifluoromethane	**<0.56**	ug/L	2.5	0.56	2.5		04/21/15 14:53	75-71-8	
1,1-Dichloroethane	**377**	ug/L	2.5	0.60	2.5		04/21/15 14:53	75-34-3	
1,2-Dichloroethane	**2.8**	ug/L	2.5	0.42	2.5		04/21/15 14:53	107-06-2	
1,1-Dichloroethene	**71.1**	ug/L	2.5	1.0	2.5		04/21/15 14:53	75-35-4	
cis-1,2-Dichloroethene	**<0.64**	ug/L	2.5	0.64	2.5		04/21/15 14:53	156-59-2	
trans-1,2-Dichloroethene	**<0.64**	ug/L	2.5	0.64	2.5		04/21/15 14:53	156-60-5	
1,2-Dichloropropane	**<0.58**	ug/L	2.5	0.58	2.5		04/21/15 14:53	78-87-5	
1,3-Dichloropropane	**<1.2**	ug/L	2.5	1.2	2.5		04/21/15 14:53	142-28-9	
2,2-Dichloropropane	**<1.2**	ug/L	2.5	1.2	2.5		04/21/15 14:53	594-20-7	
1,1-Dichloropropene	**<1.1**	ug/L	2.5	1.1	2.5		04/21/15 14:53	563-58-6	
cis-1,3-Dichloropropene	**<1.2**	ug/L	2.5	1.2	2.5		04/21/15 14:53	10061-01-5	
trans-1,3-Dichloropropene	**<0.57**	ug/L	2.5	0.57	2.5		04/21/15 14:53	10061-02-6	
Diisopropyl ether	**<1.2**	ug/L	2.5	1.2	2.5		04/21/15 14:53	108-20-3	
Ethylbenzene	**<1.2**	ug/L	2.5	1.2	2.5		04/21/15 14:53	100-41-4	
Hexachloro-1,3-butadiene	**<5.3**	ug/L	12.5	5.3	2.5		04/21/15 14:53	87-68-3	
Isopropylbenzene (Cumene)	**<0.36**	ug/L	2.5	0.36	2.5		04/21/15 14:53	98-82-8	
p-Isopropyltoluene	**<1.2**	ug/L	2.5	1.2	2.5		04/21/15 14:53	99-87-6	
Methylene Chloride	**2.8**	ug/L	2.5	0.58	2.5		04/21/15 14:53	75-09-2	
Methyl-tert-butyl ether	**<0.44**	ug/L	2.5	0.44	2.5		04/21/15 14:53	1634-04-4	
Naphthalene	**<6.2**	ug/L	12.5	6.2	2.5		04/21/15 14:53	91-20-3	
n-Propylbenzene	**<1.2**	ug/L	2.5	1.2	2.5		04/21/15 14:53	103-65-1	
Styrene	**<1.2**	ug/L	2.5	1.2	2.5		04/21/15 14:53	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.45**	ug/L	2.5	0.45	2.5		04/21/15 14:53	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58127047 WI CHROME
Pace Project No.: 40113402

Sample: DUP-1 **Lab ID: 40113402008** Collected: 04/16/15 00:00 Received: 04/18/15 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.62**	ug/L	2.5	0.62	2.5		04/21/15 14:53	79-34-5	
Tetrachloroethene	**<1.2**	ug/L	2.5	1.2	2.5		04/21/15 14:53	127-18-4	
Toluene	**<1.2**	ug/L	2.5	1.2	2.5		04/21/15 14:53	108-88-3	
1,2,3-Trichlorobenzene	**<5.3**	ug/L	12.5	5.3	2.5		04/21/15 14:53	87-61-6	
1,2,4-Trichlorobenzene	**<5.5**	ug/L	12.5	5.5	2.5		04/21/15 14:53	120-82-1	
1,1,1-Trichloroethane	**10.6**	ug/L	2.5	1.2	2.5		04/21/15 14:53	71-55-6	
1,1,2-Trichloroethane	**1.6J**	ug/L	2.5	0.49	2.5		04/21/15 14:53	79-00-5	
Trichloroethene	**<0.83**	ug/L	2.5	0.83	2.5		04/21/15 14:53	79-01-6	
Trichlorofluoromethane	**<0.46**	ug/L	2.5	0.46	2.5		04/21/15 14:53	75-69-4	
1,2,3-Trichloropropane	**<1.2**	ug/L	2.5	1.2	2.5		04/21/15 14:53	96-18-4	
1,2,4-Trimethylbenzene	**<1.2**	ug/L	2.5	1.2	2.5		04/21/15 14:53	95-63-6	
1,3,5-Trimethylbenzene	**<1.2**	ug/L	2.5	1.2	2.5		04/21/15 14:53	108-67-8	
Vinyl chloride	**<0.44**	ug/L	2.5	0.44	2.5		04/21/15 14:53	75-01-4	
m&p-Xylene	**<2.5**	ug/L	5.0	2.5	2.5		04/21/15 14:53	179601-23-1	
o-Xylene	**<1.2**	ug/L	2.5	1.2	2.5		04/21/15 14:53	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		2.5		04/21/15 14:53	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		2.5		04/21/15 14:53	1868-53-7	
Toluene-d8 (S)	99	%	70-130		2.5		04/21/15 14:53	2037-26-5	

Sample: TRIP BLANK **Lab ID: 40113402009** Collected: 04/16/15 00:00 Received: 04/18/15 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		04/22/15 08:26	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		04/22/15 08:26	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		04/22/15 08:26	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		04/22/15 08:26	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		04/22/15 08:26	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		04/22/15 08:26	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/22/15 08:26	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		04/22/15 08:26	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		04/22/15 08:26	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		04/22/15 08:26	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/22/15 08:26	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		04/22/15 08:26	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		04/22/15 08:26	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		04/22/15 08:26	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		04/22/15 08:26	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		04/22/15 08:26	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		04/22/15 08:26	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		04/22/15 08:26	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		04/22/15 08:26	106-93-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 58127047 WI CHROME
Pace Project No.: 40113402

Sample: TRIP BLANK **Lab ID: 40113402009** Collected: 04/16/15 00:00 Received: 04/18/15 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		04/22/15 08:26	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/22/15 08:26	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/22/15 08:26	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/22/15 08:26	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		04/22/15 08:26	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/22/15 08:26	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		04/22/15 08:26	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		04/22/15 08:26	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/22/15 08:26	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/22/15 08:26	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		04/22/15 08:26	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/22/15 08:26	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		04/22/15 08:26	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		04/22/15 08:26	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		04/22/15 08:26	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		04/22/15 08:26	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		04/22/15 08:26	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/22/15 08:26	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		04/22/15 08:26	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		04/22/15 08:26	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		04/22/15 08:26	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		04/22/15 08:26	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		04/22/15 08:26	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		04/22/15 08:26	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/22/15 08:26	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		04/22/15 08:26	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		04/22/15 08:26	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		04/22/15 08:26	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		04/22/15 08:26	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		04/22/15 08:26	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		04/22/15 08:26	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		04/22/15 08:26	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		04/22/15 08:26	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		04/22/15 08:26	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		04/22/15 08:26	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		04/22/15 08:26	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/22/15 08:26	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/22/15 08:26	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/22/15 08:26	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/22/15 08:26	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		04/22/15 08:26	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		04/22/15 08:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/22/15 08:26	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		04/22/15 08:26	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		04/22/15 08:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58127047 WI CHROME
Pace Project No.: 40113402

QC Batch: ICP/10465 Analysis Method: EPA 6010
QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved
Associated Lab Samples: 40113402001, 40113402002, 40113402003, 40113402004, 40113402006, 40113402007

METHOD BLANK: 1148619 Matrix: Water
Associated Lab Samples: 40113402001, 40113402002, 40113402003, 40113402004, 40113402006, 40113402007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Dissolved	ug/L	<2.1	5.0	04/29/15 13:08	

LABORATORY CONTROL SAMPLE: 1148620

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Dissolved	ug/L	500	477	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1148621 1148622

Parameter	Units	40113564001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium, Dissolved	ug/L	<2.1	500	500	497	483	99	96	75-125	3	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
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(920)469-2436

QUALITY CONTROL DATA

Project: 58127047 WI CHROME
Pace Project No.: 40113402

QC Batch: MPRP/11798
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET Dissolved
Associated Lab Samples: 40113402005

METHOD BLANK: 1148819
Matrix: Water
Associated Lab Samples: 40113402005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Dissolved	ug/L	<1.5	5.0	04/30/15 11:29	

LABORATORY CONTROL SAMPLE: 1148820

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Dissolved	ug/L	500	488	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1148821 1148822

Parameter	Units	40113402005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium, Dissolved	ug/L	43.2	500	500	508	527	93	97	75-125	4	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(920)469-2436

QUALITY CONTROL DATA

Project: 58127047 WI CHROME
Pace Project No.: 40113402

QC Batch: MSV/28120 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40113402002, 40113402003, 40113402004, 40113402005, 40113402008

METHOD BLANK: 1144209 Matrix: Water
Associated Lab Samples: 40113402002, 40113402003, 40113402004, 40113402005, 40113402008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	04/20/15 19:59	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	04/20/15 19:59	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	04/20/15 19:59	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	04/20/15 19:59	
1,1-Dichloroethane	ug/L	<0.24	1.0	04/20/15 19:59	
1,1-Dichloroethene	ug/L	<0.41	1.0	04/20/15 19:59	
1,1-Dichloropropene	ug/L	<0.44	1.0	04/20/15 19:59	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	04/20/15 19:59	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	04/20/15 19:59	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	04/20/15 19:59	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	04/20/15 19:59	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	04/20/15 19:59	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	04/20/15 19:59	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	04/20/15 19:59	
1,2-Dichloroethane	ug/L	<0.17	1.0	04/20/15 19:59	
1,2-Dichloropropane	ug/L	<0.23	1.0	04/20/15 19:59	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	04/20/15 19:59	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	04/20/15 19:59	
1,3-Dichloropropane	ug/L	<0.50	1.0	04/20/15 19:59	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	04/20/15 19:59	
2,2-Dichloropropane	ug/L	<0.48	1.0	04/20/15 19:59	
2-Chlorotoluene	ug/L	<0.50	1.0	04/20/15 19:59	
4-Chlorotoluene	ug/L	<0.21	1.0	04/20/15 19:59	
Benzene	ug/L	<0.50	1.0	04/20/15 19:59	
Bromobenzene	ug/L	<0.23	1.0	04/20/15 19:59	
Bromochloromethane	ug/L	<0.34	1.0	04/20/15 19:59	
Bromodichloromethane	ug/L	<0.50	1.0	04/20/15 19:59	
Bromoform	ug/L	<0.50	1.0	04/20/15 19:59	
Bromomethane	ug/L	<2.4	5.0	04/20/15 19:59	
Carbon tetrachloride	ug/L	<0.50	1.0	04/20/15 19:59	
Chlorobenzene	ug/L	<0.50	1.0	04/20/15 19:59	
Chloroethane	ug/L	<0.37	1.0	04/20/15 19:59	
Chloroform	ug/L	<2.5	5.0	04/20/15 19:59	
Chloromethane	ug/L	<0.50	1.0	04/20/15 19:59	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	04/20/15 19:59	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	04/20/15 19:59	
Dibromochloromethane	ug/L	<0.50	1.0	04/20/15 19:59	
Dibromomethane	ug/L	<0.43	1.0	04/20/15 19:59	
Dichlorodifluoromethane	ug/L	<0.22	1.0	04/20/15 19:59	
Diisopropyl ether	ug/L	<0.50	1.0	04/20/15 19:59	
Ethylbenzene	ug/L	<0.50	1.0	04/20/15 19:59	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58127047 WI CHROME
Pace Project No.: 40113402

METHOD BLANK: 1144209 Matrix: Water
Associated Lab Samples: 40113402002, 40113402003, 40113402004, 40113402005, 40113402008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	04/20/15 19:59	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	04/20/15 19:59	
m&p-Xylene	ug/L	<1.0	2.0	04/20/15 19:59	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	04/20/15 19:59	
Methylene Chloride	ug/L	<0.23	1.0	04/20/15 19:59	
n-Butylbenzene	ug/L	<0.50	1.0	04/20/15 19:59	
n-Propylbenzene	ug/L	<0.50	1.0	04/20/15 19:59	
Naphthalene	ug/L	<2.5	5.0	04/20/15 19:59	
o-Xylene	ug/L	<0.50	1.0	04/20/15 19:59	
p-Isopropyltoluene	ug/L	<0.50	1.0	04/20/15 19:59	
sec-Butylbenzene	ug/L	<2.2	5.0	04/20/15 19:59	
Styrene	ug/L	<0.50	1.0	04/20/15 19:59	
tert-Butylbenzene	ug/L	<0.18	1.0	04/20/15 19:59	
Tetrachloroethene	ug/L	<0.50	1.0	04/20/15 19:59	
Toluene	ug/L	<0.50	1.0	04/20/15 19:59	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	04/20/15 19:59	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	04/20/15 19:59	
Trichloroethene	ug/L	<0.33	1.0	04/20/15 19:59	
Trichlorofluoromethane	ug/L	<0.18	1.0	04/20/15 19:59	
Vinyl chloride	ug/L	<0.18	1.0	04/20/15 19:59	
4-Bromofluorobenzene (S)	%	101	70-130	04/20/15 19:59	
Dibromofluoromethane (S)	%	100	70-130	04/20/15 19:59	
Toluene-d8 (S)	%	98	70-130	04/20/15 19:59	

LABORATORY CONTROL SAMPLE & LCSD: 1144210 1144211

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	50	57.3	57.5	115	115	70-130	0	20	
1,1,2,2-Tetrachloroethane	ug/L	50	50.0	50.2	100	100	70-130	0	20	
1,1,2-Trichloroethane	ug/L	50	53.7	54.8	107	110	70-130	2	20	
1,1-Dichloroethane	ug/L	50	55.7	56.1	111	112	70-130	1	20	
1,1-Dichloroethene	ug/L	50	59.4	59.6	119	119	70-130	0	20	
1,2,4-Trichlorobenzene	ug/L	50	47.2	47.5	94	95	70-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	50	51.3	50.8	103	102	50-150	1	20	
1,2-Dibromoethane (EDB)	ug/L	50	54.1	54.3	108	109	70-130	0	20	
1,2-Dichlorobenzene	ug/L	50	50.4	51.1	101	102	70-130	1	20	
1,2-Dichloroethane	ug/L	50	54.9	55.1	110	110	70-131	0	20	
1,2-Dichloropropane	ug/L	50	55.8	55.2	112	110	70-130	1	20	
1,3-Dichlorobenzene	ug/L	50	51.4	51.2	103	102	70-130	0	20	
1,4-Dichlorobenzene	ug/L	50	50.0	50.1	100	100	70-130	0	20	
Benzene	ug/L	50	55.3	55.4	111	111	70-130	0	20	
Bromodichloromethane	ug/L	50	54.8	54.6	110	109	70-130	0	20	
Bromoform	ug/L	50	53.0	52.6	106	105	68-130	1	20	
Bromomethane	ug/L	50	35.5	38.6	71	77	38-137	8	20	

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REPORT OF LABORATORY ANALYSIS

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58127047 WI CHROME
Pace Project No.: 40113402

LABORATORY CONTROL SAMPLE & LCSD: 1144210 1144211

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Carbon tetrachloride	ug/L	50	56.6	57.6	113	115	70-130	2	20	
Chlorobenzene	ug/L	50	54.0	52.5	108	105	70-130	3	20	
Chloroethane	ug/L	50	55.2	55.1	110	110	70-136	0	20	
Chloroform	ug/L	50	54.5	54.9	109	110	70-130	1	20	
Chloromethane	ug/L	50	52.7	54.1	105	108	48-144	3	20	
cis-1,2-Dichloroethene	ug/L	50	56.2	55.7	112	111	70-130	1	20	
cis-1,3-Dichloropropene	ug/L	50	53.5	53.3	107	107	70-130	0	20	
Dibromochloromethane	ug/L	50	53.0	53.2	106	106	70-130	0	20	
Dichlorodifluoromethane	ug/L	50	56.3	55.0	113	110	33-157	2	20	
Ethylbenzene	ug/L	50	55.2	54.3	110	109	70-132	1	20	
Isopropylbenzene (Cumene)	ug/L	50	55.4	54.5	111	109	70-130	2	20	
m&p-Xylene	ug/L	100	113	110	113	110	70-131	3	20	
Methyl-tert-butyl ether	ug/L	50	56.5	56.3	113	113	48-141	0	20	
Methylene Chloride	ug/L	50	53.4	53.0	107	106	70-130	1	20	
o-Xylene	ug/L	50	54.5	53.8	109	108	70-131	1	20	
Styrene	ug/L	50	54.8	54.5	110	109	70-130	1	20	
Tetrachloroethene	ug/L	50	53.3	53.5	107	107	70-130	0	20	
Toluene	ug/L	50	54.4	53.6	109	107	70-130	2	20	
trans-1,2-Dichloroethene	ug/L	50	58.7	58.6	117	117	70-130	0	20	
trans-1,3-Dichloropropene	ug/L	50	51.5	51.0	103	102	70-130	1	20	
Trichloroethene	ug/L	50	56.0	55.7	112	111	70-130	0	20	
Trichlorofluoromethane	ug/L	50	59.8	58.9	120	118	50-150	2	20	
Vinyl chloride	ug/L	50	59.6	59.0	119	118	65-142	1	20	
4-Bromofluorobenzene (S)	%				101	100	70-130			
Dibromofluoromethane (S)	%				102	103	70-130			
Toluene-d8 (S)	%				97	96	70-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1144407 1144408

Parameter	Units	40113386006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.50	50	50	57.0	56.8	114	114	70-130	0	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	50.6	52.3	101	105	70-130	3	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	53.8	54.6	108	109	70-130	1	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	55.3	55.8	111	112	70-134	1	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	59.6	58.6	119	117	70-139	2	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	48.7	49.7	96	98	70-130	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	48.2	54.3	96	109	50-150	12	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	54.2	55.2	108	110	70-130	2	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	49.9	50.4	100	101	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	54.6	54.9	109	110	70-132	1	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	55.1	54.4	110	109	70-130	1	20	
1,3-Dichlorobenzene	ug/L	<0.50	50	50	50.8	51.6	102	103	70-130	2	20	
1,4-Dichlorobenzene	ug/L	0.78J	50	50	50.5	50.9	99	100	70-130	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58127047 WI CHROME
Pace Project No.: 40113402

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1144407 1144408

Parameter	Units	40113386006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	0.77J	50	50	55.2	56.1	109	111	70-130	2	20	
Bromodichloromethane	ug/L	<0.50	50	50	54.7	54.4	109	109	70-132	1	20	
Bromoform	ug/L	<0.50	50	50	52.3	52.9	105	106	68-130	1	20	
Bromomethane	ug/L	<2.4	50	50	42.9	44.4	86	89	38-141	4	20	
Carbon tetrachloride	ug/L	<0.50	50	50	56.6	57.4	113	115	70-130	1	20	
Chlorobenzene	ug/L	<0.50	50	50	53.5	53.9	107	108	70-130	1	20	
Chloroethane	ug/L	<0.37	50	50	55.2	56.5	110	113	66-152	2	20	
Chloroform	ug/L	<2.5	50	50	54.2	54.1	108	108	70-130	0	20	
Chloromethane	ug/L	<0.50	50	50	53.3	52.9	107	106	44-151	1	20	
cis-1,2-Dichloroethene	ug/L	2.9	50	50	58.5	58.5	111	111	70-130	0	20	
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	53.2	53.3	106	107	70-130	0	20	
Dibromochloromethane	ug/L	<0.50	50	50	52.1	52.7	104	105	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.22	50	50	54.4	55.3	109	111	29-160	2	20	
Ethylbenzene	ug/L	<0.50	50	50	54.5	54.8	109	110	70-132	1	20	
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	55.0	54.3	110	109	70-130	1	20	
m&p-Xylene	ug/L	<1.0	100	100	111	110	111	110	70-131	1	20	
Methyl-tert-butyl ether	ug/L	<0.17	50	50	56.5	56.4	113	113	48-143	0	20	
Methylene Chloride	ug/L	<0.23	50	50	52.4	52.8	105	106	70-130	1	20	
o-Xylene	ug/L	<0.50	50	50	54.8	54.2	110	108	70-131	1	20	
Styrene	ug/L	<0.50	50	50	54.9	53.7	110	107	70-130	2	20	
Tetrachloroethene	ug/L	<0.50	50	50	53.5	53.1	107	106	70-130	1	20	
Toluene	ug/L	<0.50	50	50	54.3	53.9	109	108	70-130	1	20	
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	58.4	57.6	117	115	70-132	1	20	
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	50.8	51.2	102	102	70-130	1	20	
Trichloroethene	ug/L	<0.33	50	50	56.2	55.7	112	111	70-130	1	20	
Trichlorofluoromethane	ug/L	<0.18	50	50	57.7	58.3	115	117	50-153	1	20	
Vinyl chloride	ug/L	0.35J	50	50	58.9	58.7	117	117	60-155	0	20	
4-Bromofluorobenzene (S)	%						101	101	70-130			
Dibromofluoromethane (S)	%						101	101	70-130			
Toluene-d8 (S)	%						98	98	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58127047 WI CHROME
Pace Project No.: 40113402

QC Batch: MSV/28122 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40113402009

METHOD BLANK: 1144216 Matrix: Water
Associated Lab Samples: 40113402009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	04/21/15 16:13	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	04/21/15 16:13	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	04/21/15 16:13	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	04/21/15 16:13	
1,1-Dichloroethane	ug/L	<0.24	1.0	04/21/15 16:13	
1,1-Dichloroethene	ug/L	<0.41	1.0	04/21/15 16:13	
1,1-Dichloropropene	ug/L	<0.44	1.0	04/21/15 16:13	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	04/21/15 16:13	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	04/21/15 16:13	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	04/21/15 16:13	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	04/21/15 16:13	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	04/21/15 16:13	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	04/21/15 16:13	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	04/21/15 16:13	
1,2-Dichloroethane	ug/L	<0.17	1.0	04/21/15 16:13	
1,2-Dichloropropane	ug/L	<0.23	1.0	04/21/15 16:13	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	04/21/15 16:13	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	04/21/15 16:13	
1,3-Dichloropropane	ug/L	<0.50	1.0	04/21/15 16:13	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	04/21/15 16:13	
2,2-Dichloropropane	ug/L	<0.48	1.0	04/21/15 16:13	
2-Chlorotoluene	ug/L	<0.50	1.0	04/21/15 16:13	
4-Chlorotoluene	ug/L	<0.21	1.0	04/21/15 16:13	
Benzene	ug/L	<0.50	1.0	04/21/15 16:13	
Bromobenzene	ug/L	<0.23	1.0	04/21/15 16:13	
Bromochloromethane	ug/L	<0.34	1.0	04/21/15 16:13	
Bromodichloromethane	ug/L	<0.50	1.0	04/21/15 16:13	
Bromoform	ug/L	<0.50	1.0	04/21/15 16:13	
Bromomethane	ug/L	<2.4	5.0	04/21/15 16:13	
Carbon tetrachloride	ug/L	<0.50	1.0	04/21/15 16:13	
Chlorobenzene	ug/L	<0.50	1.0	04/21/15 16:13	
Chloroethane	ug/L	<0.37	1.0	04/21/15 16:13	
Chloroform	ug/L	<2.5	5.0	04/21/15 16:13	
Chloromethane	ug/L	<0.50	1.0	04/21/15 16:13	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	04/21/15 16:13	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	04/21/15 16:13	
Dibromochloromethane	ug/L	<0.50	1.0	04/21/15 16:13	
Dibromomethane	ug/L	<0.43	1.0	04/21/15 16:13	
Dichlorodifluoromethane	ug/L	<0.22	1.0	04/21/15 16:13	
Diisopropyl ether	ug/L	<0.50	1.0	04/21/15 16:13	
Ethylbenzene	ug/L	<0.50	1.0	04/21/15 16:13	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58127047 WI CHROME
Pace Project No.: 40113402

METHOD BLANK: 1144216 Matrix: Water
Associated Lab Samples: 40113402009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	04/21/15 16:13	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	04/21/15 16:13	
m&p-Xylene	ug/L	<1.0	2.0	04/21/15 16:13	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	04/21/15 16:13	
Methylene Chloride	ug/L	<0.23	1.0	04/21/15 16:13	
n-Butylbenzene	ug/L	<0.50	1.0	04/21/15 16:13	
n-Propylbenzene	ug/L	<0.50	1.0	04/21/15 16:13	
Naphthalene	ug/L	<2.5	5.0	04/21/15 16:13	
o-Xylene	ug/L	<0.50	1.0	04/21/15 16:13	
p-Isopropyltoluene	ug/L	<0.50	1.0	04/21/15 16:13	
sec-Butylbenzene	ug/L	<2.2	5.0	04/21/15 16:13	
Styrene	ug/L	<0.50	1.0	04/21/15 16:13	
tert-Butylbenzene	ug/L	<0.18	1.0	04/21/15 16:13	
Tetrachloroethene	ug/L	<0.50	1.0	04/21/15 16:13	
Toluene	ug/L	<0.50	1.0	04/21/15 16:13	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	04/21/15 16:13	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	04/21/15 16:13	
Trichloroethene	ug/L	<0.33	1.0	04/21/15 16:13	
Trichlorofluoromethane	ug/L	<0.18	1.0	04/21/15 16:13	
Vinyl chloride	ug/L	<0.18	1.0	04/21/15 16:13	
4-Bromofluorobenzene (S)	%	96	70-130	04/21/15 16:13	
Dibromofluoromethane (S)	%	99	70-130	04/21/15 16:13	
Toluene-d8 (S)	%	100	70-130	04/21/15 16:13	

LABORATORY CONTROL SAMPLE & LCSD: 1144217 1144218

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.9	49.0	102	98	70-130	4	20	
1,1,2,2-Tetrachloroethane	ug/L	50	47.7	48.0	95	96	70-130	1	20	
1,1,2-Trichloroethane	ug/L	50	50.6	48.8	101	98	70-130	4	20	
1,1-Dichloroethane	ug/L	50	48.8	46.7	98	93	70-130	5	20	
1,1-Dichloroethene	ug/L	50	51.8	49.7	104	99	70-130	4	20	
1,2,4-Trichlorobenzene	ug/L	50	43.2	45.1	86	90	70-130	4	20	
1,2-Dibromo-3-chloropropane	ug/L	50	44.9	49.5	90	99	50-150	10	20	
1,2-Dibromoethane (EDB)	ug/L	50	50.0	50.3	100	101	70-130	1	20	
1,2-Dichlorobenzene	ug/L	50	48.9	47.5	98	95	70-130	3	20	
1,2-Dichloroethane	ug/L	50	47.9	46.4	96	93	70-131	3	20	
1,2-Dichloropropane	ug/L	50	49.3	46.9	99	94	70-130	5	20	
1,3-Dichlorobenzene	ug/L	50	48.9	47.0	98	94	70-130	4	20	
1,4-Dichlorobenzene	ug/L	50	47.9	47.1	96	94	70-130	2	20	
Benzene	ug/L	50	48.3	46.5	97	93	70-130	4	20	
Bromodichloromethane	ug/L	50	49.8	47.3	100	95	70-130	5	20	
Bromoform	ug/L	50	48.4	49.5	97	99	68-130	2	20	
Bromomethane	ug/L	50	32.9	34.3	66	69	38-137	4	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58127047 WI CHROME
Pace Project No.: 40113402

LABORATORY CONTROL SAMPLE & LCSD: 1144217 1144218

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Carbon tetrachloride	ug/L	50	49.9	49.5	100	99	70-130	1	20	
Chlorobenzene	ug/L	50	50.7	49.6	101	99	70-130	2	20	
Chloroethane	ug/L	50	47.7	45.5	95	91	70-136	5	20	
Chloroform	ug/L	50	48.8	46.4	98	93	70-130	5	20	
Chloromethane	ug/L	50	44.0	40.5	88	81	48-144	8	20	
cis-1,2-Dichloroethene	ug/L	50	48.9	46.3	98	93	70-130	6	20	
cis-1,3-Dichloropropene	ug/L	50	47.5	46.5	95	93	70-130	2	20	
Dibromochloromethane	ug/L	50	50.2	47.7	100	95	70-130	5	20	
Dichlorodifluoromethane	ug/L	50	43.9	37.3	88	75	33-157	16	20	
Ethylbenzene	ug/L	50	51.5	50.7	103	101	70-132	1	20	
Isopropylbenzene (Cumene)	ug/L	50	51.7	50.1	103	100	70-130	3	20	
m&p-Xylene	ug/L	100	105	102	105	102	70-131	3	20	
Methyl-tert-butyl ether	ug/L	50	45.8	45.8	92	92	48-141	0	20	
Methylene Chloride	ug/L	50	46.2	44.2	92	88	70-130	4	20	
o-Xylene	ug/L	50	51.1	49.7	102	99	70-131	3	20	
Styrene	ug/L	50	51.7	50.5	103	101	70-130	2	20	
Tetrachloroethene	ug/L	50	51.4	49.3	103	99	70-130	4	20	
Toluene	ug/L	50	51.6	49.0	103	98	70-130	5	20	
trans-1,2-Dichloroethene	ug/L	50	51.0	49.0	102	98	70-130	4	20	
trans-1,3-Dichloropropene	ug/L	50	47.1	47.0	94	94	70-130	0	20	
Trichloroethene	ug/L	50	51.4	49.1	103	98	70-130	5	20	
Trichlorofluoromethane	ug/L	50	52.1	49.0	104	98	50-150	6	20	
Vinyl chloride	ug/L	50	50.2	45.5	100	91	65-142	10	20	
4-Bromofluorobenzene (S)	%				100	101	70-130			
Dibromofluoromethane (S)	%				100	99	70-130			
Toluene-d8 (S)	%				100	100	70-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1144725 1144726

Parameter	Units	40113421001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.50	50	50	46.5	50.9	93	102	70-130	9	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	47.4	51.1	95	102	70-130	8	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	50.0	52.8	100	106	70-130	5	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	43.9	48.3	88	97	70-134	10	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	47.7	51.5	95	103	70-139	8	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	50.1	48.1	100	96	70-130	4	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	46.7	52.7	93	105	50-150	12	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	50.0	52.6	100	105	70-130	5	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	50.5	49.8	101	100	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	43.2	49.2	86	98	70-132	13	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	48.6	50.4	97	101	70-130	4	20	
1,3-Dichlorobenzene	ug/L	<0.50	50	50	51.2	50.7	102	101	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<0.50	50	50	50.1	49.5	100	99	70-130	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 58127047 WI CHROME
Pace Project No.: 40113402

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1144725 1144726

Parameter	Units	40113421001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.50	50	50	43.6	47.8	87	96	70-130	9	20	
Bromodichloromethane	ug/L	<0.50	50	50	49.5	50.5	99	101	70-132	2	20	
Bromoform	ug/L	<0.50	50	50	49.3	52.3	99	105	68-130	6	20	
Bromomethane	ug/L	<2.4	50	50	32.2	35.1	64	70	38-141	9	20	
Carbon tetrachloride	ug/L	<0.50	50	50	46.2	51.5	92	103	70-130	11	20	
Chlorobenzene	ug/L	<0.50	50	50	50.5	51.2	101	102	70-130	1	20	
Chloroethane	ug/L	<0.37	50	50	42.8	47.3	86	95	66-152	10	20	
Chloroform	ug/L	<2.5	50	50	43.4	48.8	87	98	70-130	12	20	
Chloromethane	ug/L	<0.50	50	50	41.1	44.5	82	89	44-151	8	20	
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	44.4	48.6	89	97	70-130	9	20	
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	47.6	48.7	95	97	70-130	2	20	
Dibromochloromethane	ug/L	<0.50	50	50	50.0	51.7	100	103	70-130	3	20	
Dichlorodifluoromethane	ug/L	<0.22	50	50	42.9	46.9	86	94	29-160	9	20	
Ethylbenzene	ug/L	<0.50	50	50	51.9	52.5	104	105	70-132	1	20	
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	52.5	53.1	105	106	70-130	1	20	
m&p-Xylene	ug/L	<1.0	100	100	105	106	105	106	70-131	1	20	
Methyl-tert-butyl ether	ug/L	<0.17	50	50	41.4	48.6	83	97	48-143	16	20	
Methylene Chloride	ug/L	<0.23	50	50	41.7	46.3	83	93	70-130	11	20	
o-Xylene	ug/L	<0.50	50	50	51.2	52.3	102	105	70-131	2	20	
Styrene	ug/L	<0.50	50	50	51.2	53.0	102	106	70-130	3	20	
Tetrachloroethene	ug/L	<0.50	50	50	51.8	52.4	104	105	70-130	1	20	
Toluene	ug/L	<0.50	50	50	51.2	52.6	102	105	70-130	3	20	
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	46.7	50.0	93	100	70-132	7	20	
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	46.8	49.1	94	98	70-130	5	20	
Trichloroethene	ug/L	<0.33	50	50	51.3	51.8	103	104	70-130	1	20	
Trichlorofluoromethane	ug/L	<0.18	50	50	48.1	52.5	96	105	50-153	9	20	
Vinyl chloride	ug/L	1.1	50	50	47.2	51.1	92	100	60-155	8	20	
4-Bromofluorobenzene (S)	%						100	100	70-130			
Dibromofluoromethane (S)	%						89	99	70-130			
Toluene-d8 (S)	%						100	101	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 58127047 WI CHROME
Pace Project No.: 40113402

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 58127047 WI CHROME
Pace Project No.: 40113402

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40113402005	**P-7B**	EPA 3010	MPRP/11798	EPA 6010	ICP/10473
40113402001	**MW-2**	EPA 6010	ICP/10465		
40113402002	**MW-6R**	EPA 6010	ICP/10465		
40113402003	**MW-7R**	EPA 6010	ICP/10465		
40113402004	**P-7A**	EPA 6010	ICP/10465		
40113402006	**MW-10**	EPA 6010	ICP/10465		
40113402007	**MW-12**	EPA 6010	ICP/10465		
40113402002	**MW-6R**	EPA 8260	MSV/28120		
40113402003	**MW-7R**	EPA 8260	MSV/28120		
40113402004	**P-7A**	EPA 8260	MSV/28120		
40113402005	**P-7B**	EPA 8260	MSV/28120		
40113402008	**DUP-1**	EPA 8260	MSV/28120		
40113402009	**TRIP BLANK**	EPA 8260	MSV/28122		

Pace Analytical
www.pacelabs.com

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of 1

40113402

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCl C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	TERRACON
Branch/Location:	FRANKLIN, WI
Project Contact:	SCOTT HODGSON
Phone:	414-423-0255
Project Number:	58127047
Project Name:	WI CHROME
Project State:	KAUKAUNA, WI
Sampled By (Print):	CHRIS INGRAM
Sampled By (Sign):	CWI
PO #:	58127047
Regulatory Program:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	TOTAL CHROME	VOC
					Y / N	Pick Letter	D	B
001	MW-2	4/15/15	1640	GW			1	
002	MW-6R	4/16/15	0845	GW			1	3
003	MW-7R	4/16/15	1215	GW			1	3
004	P-7A	4/16/15	1100	GW			1	3
005	P-7B	4/16/15	1200	GW			1	3
006	MW-10	4/15/15	1550	GW			1	
007	MW-12	4/16/15	1010	GW			1	
008	DUP-1			GW				3
009	Trip blank *							

Analyses Requested

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	1-250mlp^Δ	
	3-40mlVB	
	3-40mlVB	
	2-40mlVB	

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1: SAHODGSON@TERRACON.com
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	4/17/15 1135	Mary Jannin	4/17/15 1135
Mary Jannin	4/17/15 1500		
CS Logistic	4-18-15 910	Mairmckay	4-18-15 910

PACE Project No.: 40113402
Receipt Temp = 2.0 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal (Present) / Not Present
Intact / Not Intact

C019a(27Jun2006) *added per lab. mm 4-18-15

Version 6.0 06/14/06

Sample Condition Upon Receipt

Pace Analytical

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Project #

WO# : 40113402

40113402

Client Name: Terracon

Courier: ☐ Fed Ex ☐ UPS ☐ Client ☐ Pace Other: CS Logistic

Tracking #:

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☐ no Seals intact: ☐ yes ☐ no

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Thermometer Used NA

Type of Ice: (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 2.01 /Corr:

Biological Tissue is Frozen: ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Person examining contents:
Date: 4-18-15
Initials: mm

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☐Yes ☑No ☐N/A	12. 005 - time on sample label 1400. 008 - ~~time~~ location on COC, no time for Dup-1. mm 4-18-15
-Includes date/time/ID/Analysis Matrix: W		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☑Yes ☐No ☐N/A	13. ☑ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☑Yes ☐No ☐N/A	
exceptions: (VOA) coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☑Yes ☐No	Initial when completed mm. / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☑Yes ☐No ☐N/A	14.
Trip Blank Present:	☐Yes ☐No ☑N/A	15.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution: *trip blank added to COC. mm 4-18-15

Project Manager Review: JJ for DW **Date:** 4-18-15

APPENDIX D
FORM 4400-194

Save... Print... Clear Data

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 11/14)

GENERAL INSTRUCTIONS, PURPOSE AND APPLICABILITY OF THIS FORM: Completion of this form is required under s. NR 724.13(3), Wis. Adm. Code. A narrative report or letter containing the equivalent information required in this form may be submitted in lieu of the actual form. Failure to submit this form as required is a violation of s. NR 724.13(3), Wis. Adm. Code, and is subject to the penalties in s. 292.99, Wis. Stats. This form must be submitted every six months for soil or groundwater remediation projects that report operation and maintenance progress in accordance with s. NR 724.13(3), Wis. Adm. Code.

Note: Long-term monitoring results submitted in accordance with s. NR 724.17(3), Wis. Adm. Code are required to be submitted within 10 business days of receiving sampling results and are not required to be submitted using this form. However, portions of this form require monitoring data summary information that may be based on information previously submitted in accordance with s. NR 724.17(3), Wis. Adm. Code.

Note: Responsible parties should check with the State Project Manager assigned to the site to determine if this form is required to be submitted at sites responded to under the Federal Comprehensive Environmental Response and Compensation Act (commonly known as Superfund) or an equivalent State lead Superfund response.

Note: Responsible parties should check with the State Project Manager assigned to the site to determine if any of the information required in this form may be omitted or changed and obtain prior written approval for any omissions or changes.

Submittal of this form is not a substitute for reporting required by Department programs such as Waste Water or Air Management. Personally identifiable information on this form is not intended to be used for any other purpose than tracking progress of the remediation by the Bureau for Remediation and Redevelopment.

Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31-19.39, Wis. Stats.). Unless otherwise noted, all citations refer to Wisconsin Administrative Code.

Note: There is a separate semi-annual report required under s. NR 700.11(1), Wis. Adm. Code. Reporting under that provision is through an internet-based form:

http://dnr.wi.gov/topic/Brownfields/documents/regs/NR700progreport.pdf

Section GI - General Site Information

A. General Information

1. Site name
Wisconsin Chrome

2. Reporting period from:	To:	Days in period:
11/01/2014	04/30/2015	181

3. Regulatory agency (enter DNR, DATCP and/or other)	4. BRRTS ID No. (2 digit program-2 digit county-6 digit site specific)
DNR	02-45-000225

5. Site location

Region	County	Address
Northeast Region	Outagamie	2101 Hyland Avenue

Municipality name ◉ City ○ Town ○ Village	Township	Range ◉E ○W	Section	¼	¼ ¼
Kaukauna	21 N	18	13	NE	NE

6. Responsible party	7. Consultant
Name: Outagamie County (Paul Farrell)	☐ Select if the following information has changed since the last submittal
Mailing address: 410 S Elm Street, Appleton, WI 54911	Company name: Terracon Consultants Inc.
Phone number: (920) 832-1855	Mailing address: 9856 S 57th Street, Franklin, WI 53132
	Phone number: (414) 423-0255

8. Contaminants
chromium and volatile organic compounds

9. Soil types (USCS or USDA)
SM, ML, CL

10. Hydraulic conductivity(cm/sec):	11. Average linear velocity of groundwater (ft/yr)
We do not have site investigation data for this site	We do not have site investigation data for this site

12. If soil is treated ex situ, is the treatment location off site? ○ Yes ◉ No

If yes, give location: Region	County

Municipality name ○ City ○ Town ○ Village	Township	Range ○E ○W	Section	¼	¼ ¼
	N				

B. Remediation Method

Only submit sections that apply to an individual site. Check all that apply:

- [x] Groundwater extraction (submit a completed Section GW-1).
- [ ] Free product recovery (submit a completed Section GW-1).
- [ ] In situ air sparging (submit a completed Section GW-2).
- [ ] Groundwater natural attenuation (submit a completed Section GW-3).
- [ ] Other groundwater remediation method (submit a completed Section GW-4).
- [ ] Soil venting (including soil vapor extraction building venting and bioventing submit a completed Section IS-1).
- [ ] Soil natural attenuation (submit a completed Section IS-2).
- [ ] Other in situ soil remediation method (submit a completed Section IS-3).
- [ ] Biopiles (submit a completed Section ES-1).
- [ ] Landspreading/thinspreading of petroleum contaminated soil (submit a completed Section ES-2).
- [ ] Other ex situ remediation method (submit a completed Section ES-3).
- [ ] Site is a landfill (submit a completed Section LF-1).

C. General Effectiveness Evaluation for All Active Systems

If the remediation is active (not natural attentuation), complete this subsection.

1. Is the system operating at design rates and specifications? (•) Yes ( ) No
   If the answer is no, explain whether or not modifications are necessary to achieve the goal that was previously established in design.

2. Are modifications to the system warranted to improve effectiveness ( ) Yes (•) No
   If yes, explain:

3. Is natural attenuation an effective low cost option at this time? ( ) Yes (•) No
4. Is closure sampling warranted at this time? ( ) Yes (•) No
5. Are there any modifications that can be made to the remediation to improve cost effectiveness? (•) Yes ( ) No
   If yes, explain:
   directly address VOC contamination to reduce operation time of the groundwater extraction system

D. Economic and Cost Data to Date

1. Total investigation cost: Unknown, WDNR
2. Implementation costs (design, capital and installation costs, excluding investigation costs: Unknown,WDNR has $
3. Total costs during the previous reporting period: $18,768.51
4. Total costs during this reporting period: $17,696.47
5. Total anticipated costs for the next reporting period: $16,000
6. Are any unusual or one-time costs listed in the reporting periods covered by D.3., D.4. or D.5. above? (•) Yes ( ) No
   If yes, explain:
   D4: Caustic Pump Replacement, transfer pump replacement
   D5: P-2A abandonment; construction of replacement well P-2AR; well repair; extra filter costs; acid and caustic drum removal
7. If closure is anticipated within 12 months, estimated costs for project closeout:

E. Name(s), Signature(s) and Date of Person(s) Submitting Form

Legibly print name, date and sign. Only persons qualified to submit reports under ch. NR 712 Wis. Adm. Code are to sign this form for sites with any ongoing active remediation, monitoring or an investigation. Other persons may sign this form for sites with no response activities during the six month reporting period.

Registered Professional Engineers:

I hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print name	Title
Blaine R. Schroyer, P.E.	Principal/Office Manager
Signature	Date **6/8/15**

Hydrogeologists:

I hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print name	Title
Scott A. Hodgson, P.G.	Senior Project Manager
Signature Scott A. Hodgson	Date **6/8/15**

Scientists:

I hereby certify that I am a scientist as that term is defined in s. NR 712.03(3), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print name	Title
Signature	Date

Other Persons:

Print name	Title
Signature	Date

Professional Seal(s), if applicable:

Section GW-1, Groundwater Pump and Treat Systems and Free Product Recovery Systems

A. Groundwater Extraction System Operation:

1. Total number of groundwater extraction wells or trenches available: 2 and the number in use during period: 2

2. Number of days of operation (only list the number of days the system actually operated, if unknown explain:
181; The system was operable during the entire reporting period; however, due to low groundwater levels, the system did not pump water from late January through mid-March

3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain:
100

4. Quantity of groundwater extracted during this time period: 103,911 gallons

5. Average groundwater extraction rate: 0.4 gpm

6. Quantity of dissolved phase contaminants removed during this time period in pounds: Cr= 0.3; VOC = 0.75 lbs

B. Free Product Recovery System Operation

1. Is free product (nonaqueous phase liquid) being recovered at this site? ○ Yes ◉ No
If yes, explain:

2. Quantity of free product extracted during this time period (enter none if none): _____ gallons

3. Average free product extraction rate: _____ gpm

C. System Effectiveness Evaluation

1. Is a contaminated groundwater plume fully contained in the capture zone? ○ Yes ◉ No
If no, explain:
Both total chromium and VOCs extend east and west of the Trench A capture zone. The total chromium plume is being addressed via chemical injection. There will be future remedial action to address the VOCs

2. If free product is present, is the free product fully contained in capture zone? ○ Yes ○ No
If no, explain:

3. If free product is present in any wells at the site, but free product was not recovered during reporting period, explain:

4. If free product is not present, determine the single contaminant that requires the greatest percent reduction to achieve ch. NR 140 ES and PAL. Perform this calculation for all contaminants that were present at the site that have ch. NR 140 standards. Use the highest contaminant concentration measured in any sampling points during reporting period. If free product is present, write "FREE PRODUCT" in C.4.a.

a. Contaminant: 1,1-dichloroethene; 99.04% for ES and 99.90% for PAL

b. Percent reduction necessary to reach ch. NR 140 ES and PAL: 99.04 %

c. Maximum contaminant concentration level in any monitoring well of that contaminant: 736; P-7B µg/L

d. Maximum contaminant concentration level in any extraction well of that contaminant: 1130; Sump A 11/13/14 µg/L

e. If the maximum concentration in a monitoring well is more that one order of magnitude above the concentration measured in an extraction well, explain why the extracted groundwater contamination levels are significantly less than the levels at other locations within the aquifer.

D. Additional Attachments

Attach the following to this form:

- Most recent report to the DNR Wastewater Program, if applicable.
- Groundwater contour map with capture zone indicated.
- Groundwater contaminant distribution map (may be combined with contour map).
- Graph of cumulative contaminant removal, if both free product recovery and ground water extraction are used, provide separate graphs.
- Time versus groundwater contaminant concentration graphs for the contaminant listed in C.4.a. (above), as follows:
  - -- Graph of contaminant concentrations versus time for each extraction well in use during the period.
  - -- Graph of contaminant concentrations versus time for the monitoring well with the greatest level of contamination.
- Groundwater contaminant chemistry table.
- Groundwater elevations table.
- System operational data table.

APPENDIX E
BORING LOG AND MONITORING WELL FORMS

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☐ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
WI Chrome		P2AR

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental	4/22/2015	4/22/2015	hollow stem auger

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
V0687		P2AR	Feet MSL	Feet MSL	8.3 inches

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
NE 1/4 of NE 1/4 of Section 13, T 21 N, R 18 E
Lat ° ' "
Long ° ' "
Local Grid Location ☐ N ☐ E Feet ☐ S Feet ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Outagamie	45	Kaukana

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			0	Blind Drilled next to well P2A										
			2.5											
			5.0	Auger Cuttings consist of Silty Clay, reddish brown										
			7.5											
			10.0											
			12.5											
			15.0											
			17.5		CL									
			20.0											
			22.5											
			25.0											
			27.5											
			30.0											
			32.5											
				End of Boring @ 33.5'										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel: 414.423.0255
Jodi Saeger	Terracon Consultants Inc 9856 South 57th Street Franklin, Wisconsin 53132	Fax: 414.423.0566

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: WI Chrome	Local Grid Location of Well: _____ ft. ☐N ☐S _____ ft. ☐E ☐W	Well Name: P-2AR
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: VQ687 / DNR Well ID No.
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 8/22/2015 (m m d d y y y y)
Type of Well: Well Code MW / 11	Section Location of Waste/Source: _____ 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. _____ ☐E ☐W	Well Installed By: Name (first, last) and Firm: OES, A. Kapugi
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number: _____

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or .5 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐ _____

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe _____

17. Source of water (attach analysis, if required):
_____

E. Bentonite seal, top _____ ft. MSL or 21 ft.
F. Fine sand, top _____ ft. MSL or 24 ft.
G. Filter pack, top _____ ft. MSL or 26 ft.
H. Screen joint, top _____ ft. MSL or 28 ft.
I. Well bottom _____ ft. MSL or 33 ft.
J. Filter pack, bottom _____ ft. MSL or 33.5 ft.
K. Borehole, bottom _____ ft. MSL or 33.5 ft.
L. Borehole, diameter 8.25 in.
M. O.D. well casing 2.33 in.
N. I.D. well casing 2.03 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04 Other ☐ __
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30 Concrete ☒ 01 Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☐ 30 Other ☒ __
Sand/Bent.
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
d. _____ % Bentonite ..... Bentonite-cement grout ☐ 50
e. 8 Ft³ volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☐ 32
c. _____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. #8 Unimin 5010
b. Volume added .5 ft³
8. Filter pack material: Manufacturer, product name & mesh size
a. Sidley Ohio #5
b. Volume added 2 ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ __
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐ __
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14 Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Arthur Kapugi Firm: OES

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921

Well / Drillhole / Borehole Abandonment

Form 3300-005 (R 10/03)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☐ Other: _____

1. General Information

WI Unique Well No. _____ DNR Well ID No. _____ County: 45

Common Well Name: P-2A

¼ / ¼ | ¼ | Section | Township N | Range ☐ E ☐ W

Grid Location: Feet ☐ N ☐ S | Feet ☐ E ☐ W | ☐ Local Grid Origin ☐ (estimated) OR ☐ Well Location

Latitude: DEG MIN SEC N | Longitude: DEG MIN SEC W

Reason For Abandonment | WI Unique Well No. of Replacement Well

2. Facility / Owner Information

Facility Name: WI Chrome

Facility ID | License/Permit/Monitoring No | City, Village or Town

Street Address of Well: 2101 Hyland Ave

Present Well Owner | Original Well Owner

Street Address or Route of Owner

City: Kaukana | State: WI | ZIP Code: 5

3. Well / Drillhole / Borehole Information

☒ Monitoring Well ☐ Water Well ☐ Borehole / Drillhole

Original Construction Date: ???

If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug ☐ Other (specify): _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Groundsurface (ft.): 33 | Casing Diameter (in.): 2

Lower Drillhole Diameter (in.): 9.25 | Casing Depth (ft.)

Was well annular space grouted? ☐ Yes ☐ No ☒ Unknown

If yes, to what depth (feet)? | Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☒ No	☐ N/A
Casing left in place?	☒ Yes	☐ No	☐ N/A
Was casing cut off below surface?	☒ Yes	☐ No	☐ N/A
Did sealing material rise to surface?	☐ Yes	☒ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☐ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☒ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☐ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☒ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Concrete	Surface	.5	½ sack	
Neat Cement Grout	.5	33	7 gallons.	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work: OES | Date of Abandonment: 4/22/15

Street or Route: P.O. Box 280 | Telephone Number: (608) 837-8992

City: Sun Prairie | State: WI | ZIP Code: 53590 | Signature of Person Doing Work | Date Signed: 5/15/15

DNR Use Only
Date Received | Noted By
Comments